



Digitized by the Internet Archive
in 2014

<https://archive.org/details/b19974760M3784>

The



CHEMIST AND DRUGGIST

RETAILER — WHOLESALE — MANUFACTURER

JULY 23, 1949

ALKALOIDS ANAESTHETICS FINE PHARMACEUTICALS



ESTABLISHED
1780.

J. F. MACFARLAN & CO.
8, Elstree Way,
Boreham Wood, Herts.

109, Abbeyhill,
Edinburgh.

ALLOIN. AMYL NITRITE.
ADRENALINE. APOMORPHINE. ATROPINE.
BRUCINE. CAPSICIN.
CHLOROFORM. CHRYSAROBIN.
COCAINE. CODEINE. COTARNINE.
ESERINE. ETHYL CHLORIDE. ETHER.
GINGERIN. ICHTHAMMOL B.P.
JALAP RESIN. MORPHINE.
NARCOTINE. OPIUM PREPARATIONS.
PILOCARPINE. PODOPHYLLIN.
SCAMMONY RESIN. STRYCHNINE.
YOHIMBINE.

and other
FINE CHEMICALS.

Wright's

**PACKED PHARMACEUTICALS
TOILET PREPARATIONS
DISINFECTANTS**

FOR SUMMER SALES

WRIGHT'S COAL TAR TALCUM POWDER

WRIGHT'S COAL TAR NURSERY POWDER

WRIGHT'S COAL TAR ANTISEPTIC FOOT BALM



WRIGHT'S EFFERVESCENT SALINE



WRIGHT'S GRASSE ROSE TALCUM POWDER



WRIGHT'S D.D.T. POWDER AND SPRAY

A reputation that is sound and enduring is more valuable than a passing success however spectacular and it cannot be built up in a day."

Such is WRIGHT'S guiding principle and for 80 years policy of supplying only finest pharmaceutical preparations at reasonable prices been consistently maintained

THE NAME
ALONE IS A
GUARANTEE



WRIGHT LAYMAN & UMNEY LTD
SOUTHWARK STREET, LONDON, S.E.1 HOP 4021 (10 lines)

Plain facts

ABOUT GERMICIDES

REQUIREMENTS	CRESANTOL 3	P.C.M.C.	CRESANTOL 15	P.C.M.X.
High efficiency against 'staphs' and 'typhosus'	R.W.105	R.W.26	R.W.65	R.W.65
Low price per unit of germicidal efficiency	✓	✓	very low priced	✓
Lack of odour	✓	✓	characteristic odour	✓
No colour	Pale straw	✓	reddish	✓
Easy to formulate	✓	✓	✓	✓
Availability	Limited	✓	✓	Much restricted

Cresantol 3—A mixture of xyl cresols. A pale straw-coloured fluid, most odourless. A first base for lightly coloured and delicately scented antiseptic fluids. R.W. coefficient 105 when suitably formulated.

P.C.M.C. (Chlorocresol B.P.)—A supplementary germicide particularly useful with Cresantol 3. An efficient fungicide which has extensive use as a preservative for pharmaceutical preparations. R.W. coefficient 26 when suitably formulated. Small white or transparent crystals.

Cresantol 15—Mixed chlorinated xylenols. The standard raw material used in the manufacture of antiseptic and disinfectant fluids proved over a number of years. R.W. coefficient 65 when suitably formulated. A clear brown liquid with a characteristic odour.

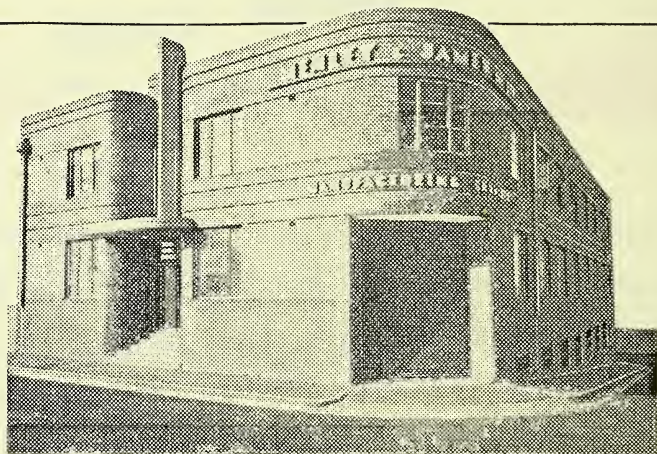
P.C.M.X. (Chloroxylenol B.P.)—R.W. coefficient 65 when suitably formulated. Small white crystals. Odourless. Supplies very much restricted for the present.

For further information on the most suitable application of Monsanto Germicides, please write to Sales Department.

MONSANTO CHEMICALS LIMITED,
1 VICTORIA STATION HOUSE, LONDON, S.W.1.



***A complete manufacturing
and distributing service in AUSTRALIA***



In this well-equipped Sydney factory Menley & James (Col.) Ltd. offer a complete manufacturing and distributing service under the control of an expert staff. Backed by 35 years' experience of handling a wide range of high-class medicinal and toilet preparations they have an

intimate knowledge of local conditions a reputation for energetically looking after the interests of agency principals. Their General Manager — Mr. E. Kidger—is now visiting London and will be glad to furnish information about this attractive market.

Please address enquiries to:

MENLEY & JAMES, LTD

123 COLDHARBOUR LANE, LONDON, S.E.5. Phone: BRiXton 54

*Similar facilities are also available in South Africa
Menley & James (Col.) Ltd., Diesel Street, Port Elizabeth, C*



CROOKES

Lacto-Calamine

What are you going to recommend for sunburn this summer? Crookes Lacto-Calamine Lotion merits your support and may be advocated with complete confidence for most skin conditions requiring a mildly antiseptic, gently stimulating and soothing agent.

Bonus Terms

PARCEL "A"

13 to the dozen on orders for 3 dozen.

PARCEL "B"

14 to the dozen on orders for 6 dozen.

The 4 oz. bottle now retails @ 2/3d. (trade discount 33 1/3%), purchase tax extra.*



PATA

* Purchase Tax 6d. per bottle extra, i.e. full retail price, 2/9d.

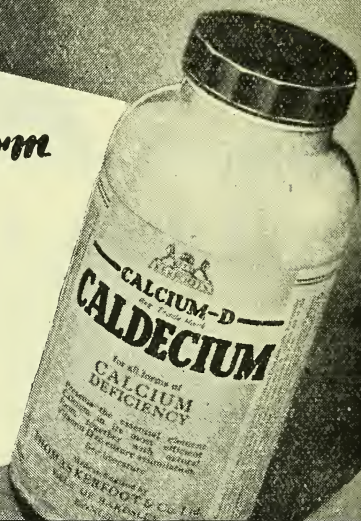
Calcium in its most effective form

A granular preparation containing Calcium in association with Vitamin D to assist assimilation. Pleasant tasting and easily taken from a teaspoon or stirred in water, Caldecium has proved to be useful in the treatment of most forms of calcium deficiency.

Literature and sample
on request

P.A.T.A. 3/-

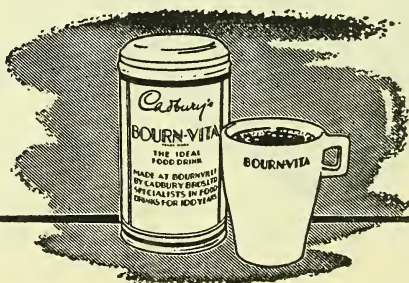
Trade 24/- doz.



Made in England by THOMAS KERFOOT & CO. LTD., Vale of Bardsley, Lancashire

Cadbury's **BOURN-VITA**

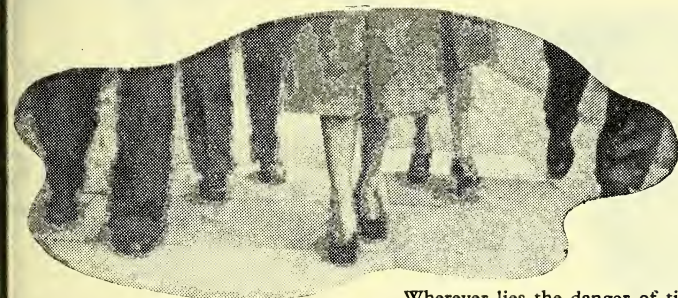
SUPPLIES MAY BE OBTAINED
THROUGH YOUR WHOLESALE DRUGGIST



INDEX TO ADVERTISERS

n Technical College ...xxxiv	Claridge, Peter, Ltd. 30	George, Ernest J., & Co., Col. Supp.
phi Manufacturing Co., d. vii	County Perfumery Co., Ltd. 12	Glama of Mayfair .....xxviii
ols, Ltd. xxx	Cox, Arthur H., & Co., Ltd. xxi	Gordon - Moore's Cosmetic 22
Stafford & Sons, Ltd. iv	Cow & Gate, Ltd. 21	Toothpaste .....xxvii
er Pharmaceuticals, Ltd. xvi	Cresswell Bros. & Marks, Ltd. 13	Granville Perfumery, Ltd. 10
Laboratories, Ltd. 24	Croda, Ltd. vi	Grey, Adelaide, Ltd. ii
Ltd. i	Crookes, F. & W., & Sons, Ltd. 3	Greyer, Brecheisen & Co., Ltd. xxiv
r Products, Ltd. v	Crookes Laboratories, Ltd. ix	Grovewell, Ltd. xxviii
on Clark & Co., Ltd. viii	Crosskill, C. R., & Sons 24	Havinden, G., Ltd. 8
& Sons, Ltd. 23	Cupal, Ltd. xxviii	Henderson Bros. & Co., Ltd. 28
ers, Ltd. xxi	Cyclo Chemicals, Ltd. 25	Hewlett, C. J., & Son, Ltd. 15
W. H. xxix	Dales Aspirin & Tableting Co. 13	Hough, Hoseason & Co., Ltd. v
ow, T. F., & Co., Ltd. xxxii	Dalmas, A. de St. Co., Ltd. Leader Page	Huffer & Smith, Ltd. iii
sh Dental Sticks, Ltd. 5	Daniel, Richard, & Son, Ltd. xxxii	Imperial Chemical (Pharmaceuticals), Ltd. Cover
sh Drug Houses, Ltd. The ... 5	Delf, W. M. (Liverpool) Ltd. 10	International Chemical Co., Ltd. xxxiii
sh Felsol, Co., Ltd. Cover iv	Dentomint, Ltd. x	Jackson, G., & Sons, Ltd. 24
sh Rodent (Exterminator) Ltd. 20	Dominion Steel Corporation, Ltd. x	Jeffreys, Miller & Co., Ltd. 25
ne & Schimmer v	Dufay Chromex, Ltd. 26	Johns, Walter .....xxxi
k, Parker & Co., Ltd. ... 20	Eades Anodyne, Ltd. 29	Jones & Bailey, Ltd. ix
ough, James, Ltd. Leader Page	Evan Williams Co., Ltd. ix	Karswood Cat Powders xx
oughs Wellcome & Co. 33	Favell, T. J., & Co., Ltd. ... 10	Kay Brothers, Ltd. ....xxvi
oury Bros., Ltd. 4	Ferris & Co., Ltd. xvi	Keen, Robinson & Co., Ltd. 16
latone, Ltd. xix	Franks, A., & Bartlett Co., Ltd. xviii	Kerfoot, Thomas, & Co., Ltd. 4
er, H. W., & Co., Ltd. xxxi	Freudentheil, Smith & Co. Leader Page	Kings of Kingsbury (Sales), Ltd. xxx
wright, W. B., Ltd. ... 6	Fryer & Co. (Nelson), Ltd. 25	
nical Manufacturing Laboratory, Ltd. ....xxxiv		
nist & Drugstore News... ix		
as Products Co., Ltd. ... 30		

(continued overleaf)



They need the
protection of
MYCIL
TRADE MARK

Wherever lies the danger of tinea pedis and other fungal infections of the feet there is the need for Mycil, the B.D.H. fungicide. It is highly satisfactory both in prophylaxis and treatment.

Mycil is odourless and is also non-mercurial, therefore may be used freely without danger of toxic reactions.

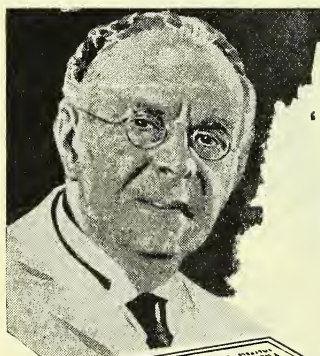
PRICES	Trade (Excl. Tax)	Retail (Incl. Tax)
MYCIL OINTMENT	1/6	2/9
MYCIL DUSTING POWDER	1/6	2/9

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Myo/T/6

INDEX (cont.)

Liverpool School of Pharmacy	Leader Page	Pentecon, Ltd.	iv	Spa Brushes, Ltd.	.....
Lloyd, Howard & Co., Ltd.	xxvi	Perihel, Ltd.	vi	Sponcel, Ltd.	.....
Lodge, Robin, Ltd.	vi	Perken, Son & Co., Ltd.	vii	Standard Synthetics, Ltd.	.....
Lusty's Natural Products Co.	xxvi	Pharmaceutical Specialities		Leader Page	
Luxan, Ltd.	32	(May & Baker), Ltd.	17	Steele, F. H., & Co., Ltd.	...
Macfarlan, J. F., & Co.		Pickar, Myram, Ltd.	xvii	Stretch, Wilfred & Co.	.....
Front Cover		Porosan, Ltd.	xi	Sumner, R., & Co., Ltd.	...
Macleans, Ltd.	19	Potter & Clarke, Ltd.	31	Surgical Hosiery Co., Ltd.	...
Manchester Oil Refinery, Ltd.	ii	Premier Photographic Supply			
Marns, Thomas, Ltd. (Arrid)	xx	Co.	xxiii	Tenz (London), Ltd.	.....
Matthews & Wilson, Ltd.	30	Prestoband	xxi	Thompson & Capper Whole-	
Maw, S., Son & Sons, Ltd.	11	Progress Shaving Brush Co.,		sale, Ltd.	.....
Mawson, J. W., & Co., Ltd.	vi	Ltd.	xxiv	Three Crowns Tablet Co.	...
Mellor, W., & Co. (Mossley),		Resulfin, Ltd.	Leader Page	Toni Gillette, Ltd.	.....
Ltd.	vi	Rimmel Distributors, Ltd.	27	Twinkle Headache Powders	.....
Menley & James, Ltd.	2	Ritchie, George B., & Co.	26	Leader Page	
Merica, M., & Co., Ltd.	xxiv	Rose, W. R., Ltd.	vi	United Chemists Association,	
Monsanto Chemicals, Ltd.	1	Sacker's Hygienic Comb Co.,		Ltd.	.....
Mouldings & Shapes Co.	25	Ltd.	xxviii	United Glass Bottle Manufac-	
Nappi-Wite, Ltd.	vii	Salter, George & Co., Ltd.	ii	turers, Ltd.	.....
National Glass Works (York),		School of Surgical Chir-			
Ltd.	iii	opody	xxxiv	Walker, W. & F., Ltd.	.....
Niblett, C. P.	xxviii	Scott & Turner, Ltd.	xxii	Wallis Laboratory, Ltd., The	.....
Oakfield & Co.	Leader Page	Scruton, Oscar, & Co., Ltd.	10	Leader Page	
Olley, C., & Sons, Ltd.	x	Scurr, C. A.	xxxv	Warner, W. R., & Co., Ltd.	.....
Organon Laboratories, Ltd.	34	Seman, O. M., Ltd.	viii	Westminster Laboratories,	
Orridge & Co.	Col. Supp.	Sidnick, M., & Co., Ltd.	viii	Ltd.	.....
Panda Roll Film Co.	Col. Supp.	Sigal, S., & Co., Ltd.	xxviii	Wiseman, J. H., & Co.,	.....
Parkinsons, Ltd.	28	Silvikrin Laboratories	14	Ltd.	.....
Pears, A. & F., Ltd.	32	Simpkin, A. L., & Co., Ltd.	xxii	Wright, Leyman & Umney,	.....
		Smith & Hill (Chemists)		Ltd.	.....
		Ltd.	xxii	Zeal, G. H., Ltd.	.....
		Songo	Leader Page		



"FOR OVER 20 YEARS I HAVE
SOLD AND RECOMMENDED ...

MOORLANDS



On the
PATA
Protected List



CHEMISTS OF TO-DAY know, as did their professional predecessors, that Moorland Indigestion Tablets are a reliable time tested remedy, highly regarded by the public and showing good proof. A counter or window display to link up with the heavy National advertising will bring you increased sales.

Retail Prices: Moorlands, 1/8 and 10d. (1 Tax) Penetrol Inhalant, 2/3 and 3/6, Penetrol Inhalers, 1/8 (Inc. Tax), Urillac Tablets, 8½ 1/5, 3/4.

W. B. CARTWRIGHT LIMITED, RAWDON, LEE



UNITED
FOR THE PRESERVATION
OF INDIVIDUALITY





**SCIENTIFIC
PILL & TABLET
MANUFACTURE**

We are experts at it!

Write us about your special
MANUFACTURING and PACKAGING
needs

ARTHUR H. COX & CO. LTD. BRIGHTON, 7

DO YOU REALISE...

- that** each N.H.S. prescription brings to your shop a potential user of Hygex Personal Brushes?
- that** a prominent counter display will INCREASE your SALES?
- that** Hygex Hair Brushes are advertised to 14,000,000 people every month?
- that** your customers can afford Hygex Brushes—

Hair Brushes . . .	5s. 10d. — 17s. 6d.
Shaving Brushes . . .	3s. 9d. — 55s. 0d.
Nail Brushes . . .	1s. 11d. — 3s. 11d.



**All Leading Sundriesmen
are regular stockists**

MOTHAKS

REACH RECORD SALES

The sales of MOTHAKS in May beat all records for any month. In June that record was beaten, and judging by the daily orders, July sales will be greater than ever before.

And Why ?

Because MOTHAKS do everything that is claimed for them and have definitely proved themselves to be the best moth damage preventive.

Sole Makers :—

THOMPSON & CAPPER WHOLESALE LTD
LIVERPOOL, 19

Phone: HUNTS CROSS 1321

Telegrams: SANITAS

EVERY WOMAN

sooner or later is troubled with
HAIR ON THE FACE

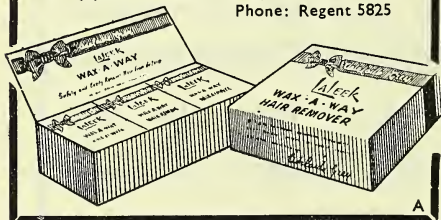
An intensive advertising scheme is telling them how to remove it safely and easily with

ADELAIDE GREY'S 'LALEEK'
WAX-A-WAY

Recommended by Medical Profession. No unpleasant odour. A best seller among Cosmetics. Retail at 7/9. Usual trade discounts. Supplied in display cartons of $\frac{1}{2}$ dozen.

Order through your Wholesaler. If any difficulty, write direct to:

ADELAIDE GREY LTD
30(c) Old Bond Street, London, W.1
Phone: Regent 5825



NOW NATIONALLY ADVERTISED

For years there has been a big demand for this old-fashioned well-known remedy. Now that we have embarked on an extensive advertising campaign in the Press and women's publications the demand will be greater than ever. Be sure you are well stocked—

NURSE HARVEY'S MIXTURE

Send in your order now to:
O. SCRUTON & CO., LTD.
4 BARKER LANE, YORK



ZEAL

Clinicals

The Choice of Experts

BRITISH MADE

NO HIGHER IN PRICE THAN NONDESCRIPT MAKES

Also Household, Bath and Works Thermometers, the best of their kind

G. H. ZEAL LTD.
LOMBARD RD., MORDEN RD.,
LONDON, S.W.19
Phone: Liberty 2283-4-5

BRITISH MADE **AMPOULE FILE**
are now available

We are now in a position to manufacture large quantities of Ampoule Files and invite inquiries

DOMINION STEEL CORPORATION
LTD.

"FLEET" WORKS
QUEEN'S ROAD, SHEFFIELD,

Two Useful Products

TONALIX TONIC RESTORATIVE

Specially formulated to assist body tone generally.

KEEDOSOL NON-TOXIC GERMICIDE

A general antiseptic of high bactericidal activity.

Prepared in the laboratories of
FERRIS & CO. LTD., BRISTOL



Special Display Discount Offer

meritor

D.D.T.

ANTIMOTH

*Biggest Value
in*

MOTH RINGS



- 8 GIANT WHITE RINGS IN A PACKET
- IMPREGNATED WITH D.D.T.
- SMART COLOURED TRANSPARENT WRAPPINGS PRINTED IN GOLD
- COMPACT SALES UNIT FREE WITH ORDERS FOR 2 DOZEN PACKETS

Special Display Discount Offer:—

Less than 6 Doz.	Price 6/-	Doz.	Less 5%
6 Doz. Lots	" 5/10	"	Less 10%
12 Doz. Lots	" 5/8	"	Less 15%—Retail 9d.

Profit on Cost — 57% on Smalls to 87% on reasonable Quantities

MAW SON & SONS LTD. BARNET, HERTS.



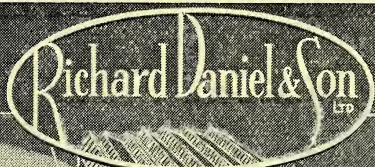
A MOVING PICTURE..

Hiltone's popularity makes it a ready seller and this year's increased press advertising will ensure bigger-than-ever sales. Hiltone's famous slogan "as light as you like . . . and no lighter" will be seen by millions of women, and country-wide demonstrations will keep Hiltone in their minds. For brightening and lightening the hair to new, natural-looking beauty, Hiltone's controlled action is unequalled. Stock Hiltone, display it—you'll sell it.

HILTONE

AS LIGHT AS YOU LIKE . . . AND NO LIGHTER

COUNTY PERFUMERY CO. LTD., STANMORE, MIDDLESEX



PROPRIETARIES
SUNDRIES DRUGS
TABLETS & PILLS

FOR
CHEMISTS

*Manufacturing
Chemists*

Office & Works Mansfield Road Derby Telephone 4266 (4 lines) Branch Warehouse Grosvenor St. Ashton-under-Lyne Telephone 2816 (2 lines)

POLAWAX

SELF-EMULSIFYING STEARYL ALCOHOL

Suggested Applications

In Cosmetics

AFTER SHAVE CREAM
BEAUTY CREAM
OLD CREAM
DEODORANT CREAM
FOUNDATION CREAM
AIR CREAM
HAND CREAM
POWDER CREAM
FINISHING CREAM

*Literature and
free testing sample
sent on request*

In Pharmacy

ACRIFLAVINE CREAM
BENZOYLE PEROXIDE CREAM
CALAMINE LINIMENT
EUSOL EMULSION
NUPERCALINE OINTMENT
PROFLAVINE-UREA CREAM
SULPHANILAMIDE CREAM
TURPENTINE/ACETIC EMULSION
PENICILLIN CREAM BASE

CRODA LIMITED

Administrative Office: CRODA HOUSE, SNAITH, GOOLE, YORKS.

Office: 24 HAYMARKET, S.W.1

Manchester Office: 74 CORPORATION STREET, MANCHESTER 4

Bradford Office: CENTRAL CHAMBERS, CHEAPSIDE, BRADFORD

Telephone: SNAITH 77 (3 lines)

Telephone: WHITEHALL 4725/6

Telephone: BLACKFRIARS 8015

Telephone: BRADFORD 22719

NOW!...

Silvikrin Lotion

with OIL!

A NEW LINE for a vast NEW MARKET

Here's a line millions have been looking for ... millions of men and women who have despaired of finding an effective tonic and dressing for dry, brittle hair and scurfy scalp. NOW Silvikrin Hair Tonic Lotion WITH OIL supplies their need—and your opportunity! This addition to the famous Silvikrin products combines three selling points. It is a health-giving daily lotion; it contains special oils to correct dry scalp and hair; it contains Pure Silvikrin, the hair's natural food. National Advertising is spreading the glad news of Silvikrin's Lotion with oil to 'dry-heads' everywhere ... act NOW to cash in on the big demand for this regular seller.

Silvikrin

LOTION *with OIL*



*grateful Mothers are asking for ZAC!
nurses are strongly recommending it!*

Are YOU getting YOUR Share of the Sales ?

From all over the Kingdom—from Scotland to Lands End—come letters from grateful mothers and from nurses and midwives—in warm praise for ZAC Baby Products. Sales are mounting steadily. Are you getting your share ? Read these letters :

Sore buttocks cleared after two applications.

"I have fifteen months' old twins and the larger baby is very prone to sore buttocks. After two applications of ZAC Baby Cream all signs of redness had completely disappeared. I have tried many creams and a prescription to no avail. I am indeed grateful to you"

Mrs. M. F.—Coventry.

"Very beneficial for sore buttocks and urine rash"

—writes a S.R.N.

"I have used ZAC Baby Cream on the buttocks of the infants at the Nursing Home and have found it very beneficial for preventing sore buttocks and urine rash. As it is so soft and "creamy" I have found it easy to apply and very good for removing meconium which has dried on the buttocks.

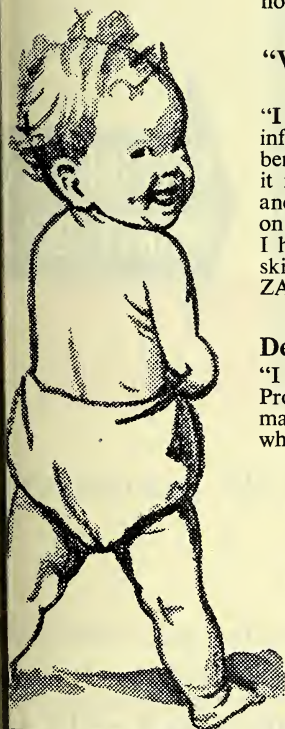
I have used ZAC Baby Powder for dusting the infants' skins after bathing and have advised many mothers to use ZAC Baby Cream and Powder."

A.G. S.R.N. S.C.M.—Tynemouth.

Delighted with results.

"I am delighted with the results from using ZAC Baby Products and I shall be pleased to recommend them in all maternity and midwifery cases, also to the aged and infirm whose skin needs special attention."

B.S. S.R.N. S.C.M.—Wilts.



ZAC

**BABY CREAM
BABY POWDER
GRIPE MIXTURE**

Manufactured by

HOUGH, HOSEASON & CO. LTD.

Atlas Laboratories · Levenshulme · Manchester

DISTRIBUTORS FOR EIRE. ARGUS CHEMICAL CO. LTD. 22 MARY STREET, DUBLIN

INTRODUCING

Robrex

a three-fold weaning cereal—
fortified, pre-cooked, ready to serve



TERMS :

10 oz. packets 11/6 doz. net subject to 2½% cash discount

PACKINGS :

Cases of 2 doz.

Robrex is being advertised nationally and showcards and descriptive leaflets are available on application.

Robrex—THE PACKET WITH THE SHELF APPEAL
KEEN ROBINSON AND CO. LTD., CARROW WORKS, NORWICH

the original butobarbitone

'SONERYL'

trade mark

For over a quarter of a century 'Soneryl' has met the demand of the medical profession for a general purpose barbiturate which, in varying dosage can produce an effect ranging from mildly sedative to powerfully hypnotic.

or sleeplessness
associated with pain —

'SONALGIN'

trade mark

brand

butophen with codeine



manufactured by

MAY & BAKER LTD

distributors

PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD. DAGENHAM

Supplies

'SONERYL'

Containers of

12 x gr. 1½ tablets	1s. 8d.
25 x gr. 1½ „	3s. 0d.
100 x gr. 1½ „	10s. 6d.
500 x gr. 1½ „	42s. 0d.

Exempt from P.T.

'SONALGIN'

Containers of

12 tablets	2s. 3d.
25 „	4s. 0d.
100 „	15s. 0d.
500 „	67s. 6d.

Subject to P.T.

48138



Stafford Allen's

Founded 1833

are specialists in

MEDICINAL RESINS

•

SCAMMONY RESIN
JALAP RESIN
PODOPHYLLUM RESIN
(Peltatum & Emodi)
LEPTANDRIN



*Let us send you our Price List (wholesale only),
or quote you for your specific requirements.*

STAFFORD ALLEN & SONS LTD., Wharf Rd., London, N.I. CLERKENWELL
TAS/AL.

THEY SELL HAND-IN-HAND



Stock them AND SHOW THEM TOGETHER

— they make a colourful display. See how speedily they SELL. The famous Macleans lines sell regularly by fame of name, by overwhelming popularity and by forceful publicity. You will agree — Macleans are supreme for dental hygiene.

	Retail Price	PRICE PER DOZEN			
		Standard Wholesale	Intermediate Terms	Best Terms	Purchase Tax
TOOTH PASTE					
Standard Size	1/4	9/5	9/-	8/3	3/1 ² / ₃
Extra Large Size	2/-	14/2	13/6	12/6	4/8 ² / ₃
TOOTHBRUSH					
Nylon and Bristle	1/4	9/5	9/-	8/3	3/1 ² / ₃
Children's	1/-	7/1	6/9	6/3	2/4 ¹ / ₃

MINIMUM PACK

Macleans Peroxide Tooth Paste, Standard Size 6 dozen. Extra Large Size 1 dozen.
Macleans Toothbrush, available in packs of 1 dozen or 3 dozen assorted colours.

MACLEANS LTD., GT. WEST ROAD, BRENTFORD, MIDDLESEX. 'Phone: Ealing 6616. Wires: Macleans, Brentford

England's Quads

ST. NEOTS 1935 BRISTOL 1948 EDMONTON 1948

The nation-wide advertising campaign informing the general public that all the three families of England's Quads have been fed on Cow & Gate has aroused even greater interest in this famous baby food.

Cow & Gate are now able to supply attractive display material and chemists are invited to share in this successful campaign by writing to :—

COW & GATE LTD

Dept. C.D.

GUILDFORD
SURREY

CONGRATULATIONS

Congratulations to every chemist who is still carrying on and distributing products for us manufacturers, under a load of purchase-tax, income-tax, super-tax, tobacco-tax, entertainment-tax, drink-tax, petrol-tax, car-tax, tea-tax, radio-tax, football-pools-tax, alcohol-tax, cigarette-lighter-tax, matches-tax, sugar-tax, male-domestic-servants-tax, property-tax, and everything but syntax.

All we can say is that we're fighting for you with all we've got—but it's heartbreaking, isn't it!

Anyone know a nice little desert island where they don't fine you for living, eating and drinking?

Issued by :—

GORDON-MOORE'S COSMETIC TOOTHPASTE

The finest Toothpaste in the world—

It rose-tints the gums to match lipstick

31 SINCLAIR ROAD, KENSINGTON, LONDON, W.14

Telephone: Shepherd's Bush 1131-1132.

Telegrams: Dazzling, London

THE CHEMIST'S
CASE BOOK

Pharmacist and psychologist—the Chemist is both. His customers' purchases not only go into the medicine cupboard but sometimes give a glimpse of a skeleton there—troubles which the skill and experience of the Pharmacist do their best to overcome.

**Not ill
but doesn't
feel so good**

It's a safe guess that his digestion is out of order. A cup of Benger's Food every night for a couple of weeks would rest his stomach, soothe his digestion and help

to build its strength back to normal. Do your customers realise the unique *pre-digestive* properties of Benger's Food? Do you?

Another case for Benger's Food

5% of your customers need Benger's Food and are being educated to ask for it

ORDERS & ENQUIRIES, PLEASE, TO

Made by BENDER'S LTD., a division of

BRITISH CHEMICALS & BIOLOGICALS
LIMITED
LOUGHBOROUGH, LEICESTERSHIRE

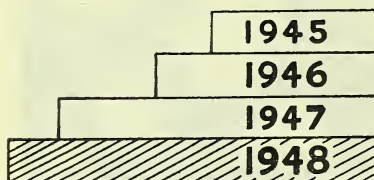
SECTO

EXTRA POWER.

D.D.T.

The Semi
British
Insecticide

A BEST SELLER FOR 42 YEARS and increasing each year



EXTRA POWER brings in EXTRA SALES
with EXTRA PROFITS

A strong advertising campaign is included in the
1949 SALES PLAN.

IT PAYS TO DISPLAY SECTO

CUPAL LIMITED • MANUFACTURING CHEMISTS • BLACKBURN

JACKSON'S

FEBRIFUGE

1/7;3/10;6/4

JACKSON'S FEBRIFUGE

THE FAMILY MEDICINE

GEO. JACKSON & SONS LTD., Harpurhey, Manchester 9

Steadily drifting South...

Askit

THE POWDER WITH A REPUTATION

For over 30 years
Scotland's leading
Proprietary Medicine

for the speedy relief of
Headaches, Neuralgia, Neuritis
and all Nerve Pains.

Manufactured by
ASKIT LTD MANUFACTURING CHEMISTS
GLASGOW N

and stocked by
ALL LEADING WHOLESALE HOUSES

F. H. STEELE & CO. LTD

Manufacturing Chemists

BLACKROCK, DUBLIN

Telephone: DUBLIN 83610

Telegrams: DESTIL, BLACKROCK

have pleasure in announcing that they have now obtained permission from Board of Trade to Export to the United Kingdom. Their full range of high-quality and attractively packed products include:—

DEDICATED PASTILLES · LOZENGES · TABLETS
CHEMISTS' MEDICINAL CONFECTIONERY, Etc

ALL TRADE ENQUIRIES will be dealt with PROMPTLY

Samples and prices on request

NOW IS THE TIME to place orders for your winter trade

Victory V
GUMS & LOZENGES
make you many
WARM friends
 N17
 JEFFREYS & CO. (Nelson) LTD. NELSON, LANCs

DRUGS, GALENICALS, PROPRIETARIES
Makers of 'Vitasac'

R. SUMNER & CO. LTD.
 HANOVER STREET LIVERPOOL, 1
 SV 124

CUTICLE STICKS · SPATULAE
OINTMENT LIFTERS
APPLICATORS supplied to the trade

Highest quality at lowest prices

MOULDINGS & SHAPES CO
 66 Sprowston Mews, Forest Gate, E.7

MILLAMALT



Malt Extract with
added Natural Vitamins

Manufacturers: JEFFREYS, MILLER & CO. LTD (A6500 I.U., D400)
 and Mills, Wigan. London Dept. 19 Brookside Rd. N (1 I.U. PER FL. OZ.)

HOME AND EXPORT

Saccharin Tablets
 available.

TABLETING SERVICE

Available capacity for the compression of Tablets of any size—customers' own material preferred but not essential—Contracts arranged. Large quantities are handled hygienically and efficiently in our Factory, well equipped with modern machinery.

THE DALES ASPIRIN & TABLETING CO., STEETON Nr. Keighley. Phone: Steeton 3222

THERAPEUTIC PRODUCTS

Why Doctors Prescribe Anusol

ANUSOL Hæmorrhoidal Suppositories are composed of bismuth subgallate, bismuth resorcin compound, Nicaraguan balsam (medicinal), zinc oxide, boric acid and cacao butter ointment base. *ANUSOL* Suppositories soothe the irritated mucosa, coat it to protect it from trauma, soften retained rectal contents and provide lubrication to facilitate their evacuation. They are selected by physicians:

- 1 For quick relief, speedier healing and protection against further damage in cases where surgery is inadvisable.
- 2 For pre- and post-operative care, reduction of congestion and speedy uncomplicated healing.
- 3 For simple inflammatory rectal states.

Literature and samples supplied on request.

AGAROL — ALKA-ZANE — ANUSOL — GELUSIL — VEGANIN — VERACOLATE — VINCE

William R **WARNER** and Co. Ltd.



POWER ROAD, LONDON, W. 4

"It's Ritchie's for everything Surgical"

Trusses, Abdominal Belts, Surgical Boots, Invalid Chairs, Instruments and Hospital Equipment of all kinds

these are Ritchie Specialities

Your enquiry will have immediate attention from our trained staff

**Geo. B. Ritchie
& Co.**

Everything Surgical

**249 Buchanan Street
Glasgow C.1**

Daily : 9 a.m.-5.30 p.m. Sats. : 1 p.m.
Tel. : DOU 0532/3



Eade's PILLS

Eade's Rheumatic and Gout Pills, the remedy with a 100 year old fame.

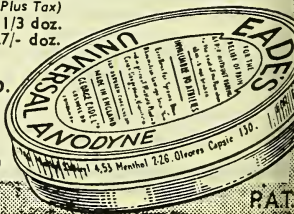
RETAIL (Inc. Pur. Tax)	WHOLESALE (Plus Tax)
1/7	11/3 doz.
3/9	27/- doz.
6/3	46/- doz.

Eade's UNIVERSAL ANODYNE

Another Eade's product always in demand.

RETAIL (Inc. Pur. Tax)	WHOLESALE (Plus Tax)
1/7	11/3 doz.
3/9	27/- doz.

EADE'S PILLS LTD.
(Dept. C. & D),
232 Goswell Rd.,
LONDON, E.C.1.
Clerkenwell 3370



RAT.



41% PROFIT FOR THE RETAILER

Rimmel Soaps give retailers a profit of 41% (46% on a £15 parcel!) on the selling price of 1/4½ per tablet. Terms to retailer: 9/9 per dozen less 2½%—plus tax. Terms to wholesaler: less 2½% and 12½%. Now is the time to order Rimmel Soaps. If you have already allocated your S.P.'s for this period, make sure of future supplies by placing a regular period reservation for these profitable 3 oz. tablets. All Rimmel Soaps contain genuine French imported perfume.

RIMMEL DISTRIBUTORS LTD., NORTH ROW, PARK LANE, LONDON, W.1

Hewlett's VITONAGEN

Vitamin B₁, Glycerophosphates and Strychnine in a palatable base. An ethical Tonic, reconstructive and stimulant, which is recommended for adults and adolescents.

Bottles of 8 fl. ozs. Dose, 1 to 2 fl. drachms

Larger sizes also available

C. J. HEWLETT & SON LTD.
35-43 CHARLOTTE ROAD, LONDON, E.C.2
Also at 48, Carstairs Street, Glasgow, S.E.



*These sell
quickly*

**PARKINSONS' PILLS, KILKOF
VITAGRAINS** and the

range of other preparations sell quickly bringing repeat sales through their quality.

NATIONALLY ADVERTISED

PARKINSONS OF BURNLEY

Tell your Customers . . . IT'S THE SAME SHAMPOO *in a new dress !*

Our new supplies of Evan Williams Shampoo will come to you in an entirely new pack—the design has been modernised and features our well-known “girl with the flowing hair.” Thousands of regular users of our shampoo have come so familiar with the old long-established design that they may think they are receiving something different when purchasing their shampoo from you. You can assure them that the shampoo is still the same—the formula, which cannot be improved upon, remains unchanged, and the fine inimitable quality maintained.

EVAN WILLIAMS CO.
LTD.

25 Dept., Aintree Road,
Liverpool, Nr. Greenford,
Middlesex.

The advertisement displays several boxes of Evan Williams Shampoo. The modern design features a woman's head with flowing hair. The old design is shown for comparison. A speech bubble states: "Your next order will be delivered in these attractive display outers".

Modern Design Boxes:

- Henna Shampoo:** FOR BROWN AND DARK HAIR
- Camomile Shampoo:** FOR FAIR HAIR
- Camomile Shampoo:** For FAIR AND CHILDREN'S HAIR

Old Design Boxes:

- Ordinary Grade Henna Shampoo:** Cleanses & Brightens. Does not colour the hair.
- Camomile Shampoo:** Cleanses & Brightens. Does not colour the hair.

Speech Bubble: Your next order will be delivered in these attractive display outers

Bottom Text: Does not bleach the hair / Does not colour the hair



For
**CHEMISTS
ONLY**

A NEW
PROFITABLE
QUICK-SELLING LINE

HOSTESS

FRUIT SQUASH
Making a host of friends

**RESTRICTED
EXCLUSIVE
TO CHEMISTS**

GOOD PROFIT

RETAIL PRICE - per bottle
YOUR RETURN 33/-
YOUR BUYING PRICE 24/-
YOUR PROFIT - 8/-
(equals 33% on cost)

ATTRACTIVE VARIETY

And a quality you can confidently recommend. The smart pack a most attractive display. Popular flavours. Orange, Lemon and Orange, Pineapple, Apple (a Lime flavoured juice cordial).

ORDER THROUGH YOUR
USUAL WHOLESALE CHEMIST

CITRUS Products Co. Ltd. 87 Regent St. London W.1

M & W
TABLETS LOZENGES
CAPSULES & PILLS

PESSARIES
of
Silver
Picrate,
N.F.,
now available

MATTHEWS & WILSON LTD
Established 1894
6-8, COLE ST. LONDON, S.E.1.
Proprietors of "SUDEX" Senna Pods
Telegrams: PILLEOLUM, SEDIST, LONDON. Telephone: HOP 2147-8

It isn't safe

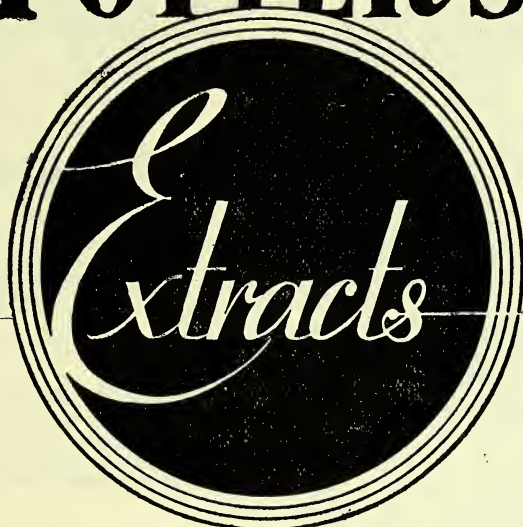
...TO WEAR PERFUMES
BY PETER CLARIDGE.

they're too attractive! That is the theme behind "Dual Control" and "Smart Party" the new creations of this brilliant young perfumist. It isn't safe to let your stocks of **And** two new perfumes get low now the intriguing National advertisement on this theme has started. The attractive selling display packs, and the retail price of each ensures a ready sale for these attractive perfumes. If our representative has not already called your wholesaler or write for trade terms details to:

PETER CLARIDGE LTD

NEW BOND STREET • LONDON •

POTTER'S



CONTINUOUS RESEARCH

SOLID — POWDERED — GRANULATED
—RETAIN THE FRESHNESS AND FULL THERAPEUTIC
VALUE OF THE DRUG.
—PREPARED AND STANDARDISED UNDER PHARMACEU-
TICAL CONTROL.

POTTER & CLARKE LTD.

60-64 ARTILLERY LANE, LONDON, E.1

BIShopsgate 4761

77 DANTZIC STREET, MANCHESTER

Blackfriars 8734



By Request!

NUTRILINE

now in

two sizes

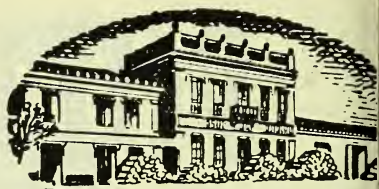
IN ANSWER to many requests Pears are now supplying NUTRILINE in a smaller size — popularly priced at 2/9d.

NUTRILINE has achieved an amazing sales record. It is used now by hundreds of thousands throughout the country — hundreds of delighted letters testify to its success. It answers the hair problems of both men and women. NUTRILINE keeps scalp toned and conditioned, combats unsightly dandruff, overcomes dryness and encourages the growth of young hair.

THE NEW SIZE is assured of good sales — it is the *right* product at the *right* price. Remember NUTRILINE — now in *two* sizes — 4/9 and 2/9. Our representative will tell you all about it when he calls but please write to us direct if we can help you.

A. & F. PEARS LIMITED
ISLEWORTH · MIDDLESEX

NUT 2/1247



THE WAREHOUSE AT REGINA (GREECE)

"RELIANCE"

SPONGES

"FINE WHEN WET"

You can rely upon the House with over 100 years experience in the sponge industry to give you every possible satisfaction. Your enquiries will receive our courteous, prompt and knowledgeable attention.

We have no connection with any other firm advertising sponges or chamois leathers in this Journal.

CRESSWELL BROS. & MARIN
 (INTERNATIONAL SPONGE IMPORTERS LTD)
 5a BUCK STREET, CAMDEN TOWN, N.W.
 Gulliver 5462-3 Grams: Sponge, Norwest, Lond

THERE IS AN EVER WIDENING DEMAND

for
Luxan
 and
Luxol

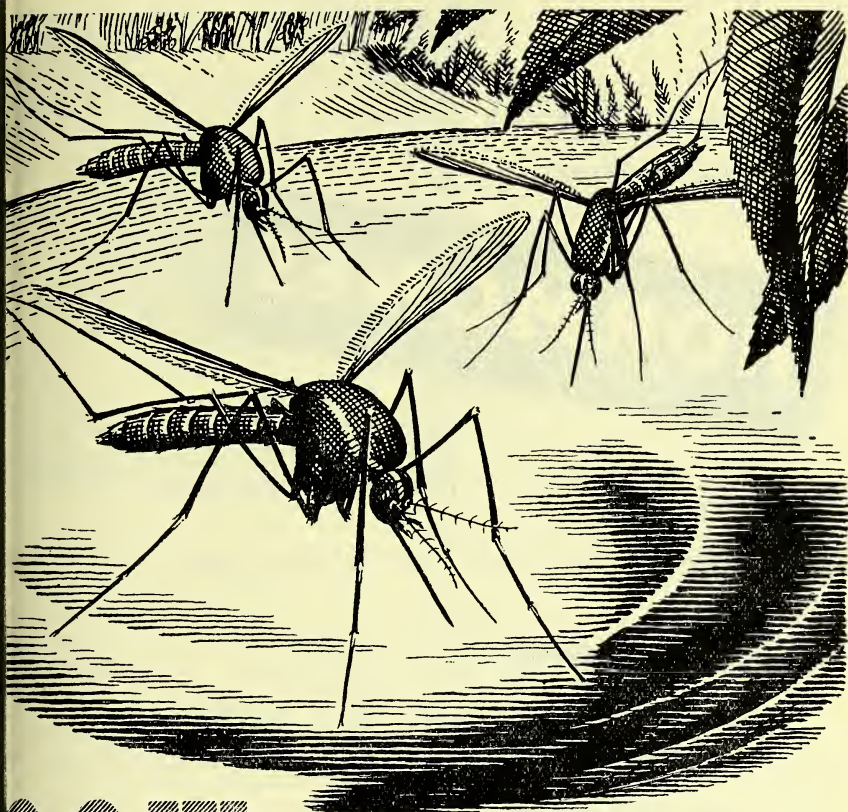
Sanitary Towels

Personal recommendation is the keynote of this success. Women everywhere appreciate the attractive make-up and reasonable price.

WIDELY ADVERTISED IN THE PUBLIC PRESS
 SHOWCARDS AVAILABLE

Luxan Ltd

4 CHEPSTOW STREET · MANCHESTER 1



Now *is the time*

to display 'Sketofax' prominently—and let it sell itself.
Attractive display outers and showcards are available.
A bonus of 13 to the dozen is given on orders of three
dozen or over. Retail price: 1/4, plus 4d. tax.



'SKETOFAK' CREAM INSECT REPELLENT

BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON

Complete Range
of Standardised

HORMONES

Available in all appropriate Pharmaceutical forms and strengths

OESTROGENIC

Œstrone B.P. MENFORMON
Œstradiol Benzoate B.P. . . DIMENFORMON
Œstradiol Dipropionate B.P. . Do. DIPROPIONATE
Ethinyl Œstradiol LYNOR

ANDROGENIC

Testosterone & its propionate B.P. . NEO-HOMBREOL
Methyltestosterone B.P. . . NEO-HOMBREOL (

PROGESTOGENIC

Progesterone B.P. PROGESTERONE
Ethisterone B.P. PROGESTORONE

ADRENAL CORTEX HORMONE

Deoxycortone acetate B.P. DOXYCORTONE

GONADOTROPHIC

Chorionic Gonadotrophin B.P. PREGNANT
Serum Gonadotrophin B.P. GESTAGEN

THYRO- GONADOTROPHIC

Extract of Anterior Pituitary AMBINO

Price
List
on
request



ORGANON LABORATORIES LTD

BRETENHAM HOUSE, LONDON, W.C.

TEMPLE BAR 6785/6/7. 0251/2.

MENFORMON, RAND, LONDON

The



CHEMIST AND DRUGGIST

for RETAILER—WHOLESALE—MANUFACTURER

JULY 23, 1949

Published weekly at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."

Copies 1/- each. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30/-

p. 3622

CONTENTS

Volume CLII

Pharmacist's Anthology 114	Marriages 100
Births 100	Meeting of Scottish Executive ... 115
Chemicals from Petroleum ... 121	News of the Week 97
Coming Events 105	Overseas News 99
Company News 102	Personalities 108
Company Reports 103	Pharmaceutical Society of Ireland 116
Correspondence 123	Pharmaceutical Society of N. Ireland 109
Deaths 100	Proprietary Articles Trade Association: Council Meeting ... 110
Dublin Formulates New Education Programme 118	Society of Chemical Industry ... 122
Editorial Articles:—	Solvents from Gas Oil 120
An Indispensable Handbook ... 113	The Week in Parliament 106
Rent Control Under 1949 Act—1 113	Topical Reflections 101
World Health Programme ... 114	Trade Literature 128
Questions 100	Trade Marks 128
British News 99	Trade Notes 104
Legal Reports 107	Trade Report 124

NEWS OF THE WEEK

Retail Trade Index.—A new series of numbers for retail sales announced by the Board of Trade recently relate to figures to average weekly sales in 1947 and of 1942 as previously. The index of weekly sales of chemists' wares in May 1947, against 97 in May 1948, and in May 1947. "Chemists' wares" includes cosmetics, soaps, etc., as well as pharmaceutical products. National Health Insurance is not included.

Students as Temporary Assistants.—A hospital pharmacist willing to take a pharmacy student for a short period during the summer vacation is invited by the Guild of Public Pharmacists to apply to the general secretary, 1 Park View, Hove, 4, Sussex, giving brief details of department and stating what, if remuneration is offered. Students wishing to take up such appointments should apply to the secretaries of their institutions.

Lotio Plumbi Evaporans.—Certificates of analysis returned under the Scheme for Drugs and Appliances have

shown that some pharmacists are using the B.P.C., 1934, formula when dispensing prescriptions for lotio plumbi evaporans. The Ministry of Health reminds contractors of the announcement of February 12, by which the British Pharmaceutical Codex adopted several of the formulas given in the National Formulary, 1949, including that for lotio plumbi evaporans.

Lloyd Jacob Report Discussed.—At a meeting of the Hounslow Branch of the National Pharmaceutical Union on July 14, at which Mr. W. H. Bowden presided, Messrs. Bowden and Richardson were appointed delegates to the N.P.U. conference to be held in October. A talk was given by Mr. E. Skues (member of the N.P.U. and Proprietary Articles Trade Association Executives) on the Lloyd Jacob report. Mr. Skues said the report struck at the basis of the P.A.T.A. It was inconsistent in that all the evidence was in favour of fixed retail prices. No single manufacturer could succeed in enforcing a price control, and implementation of the report would result in complete disorgan-

isation of the retail trade, loss of consumer confidence and great deterioration in service to the public. No one with experience of price-cutting days would wish to return to them. The P.A.T.A. would fight the report with all its available strength and called upon chemists, in their own interests, to arouse the maximum of opposition by propaganda in their shops, in the local Press, by area meetings and by sending letters to their Members of Parliament.

West London Officers.—The following are the new officers of the Western [London] Pharmacists' Association and the West London Branch of the Pharmaceutical Society:—*President and Chairman*, Mr. R. Woolby Brooke; *Vice-president and Vice-chairman*, Mr. G. F. Butterworth; *Treasurer*, Mr. D. T. Jones; *Secretary*, Mr. E. S. Windwood, 96 A-kew Road, London, W.12; *Assistant Secretary*, Mr. D. R. Evans; *Social Secretary*, Mr. Clifford Evans.

Liverpool Centenary Fund.—A letter has been sent out to all old students of the Liverpool School of Pharmacy inviting contributions to a fund to provide a scholarship tenable at the Liverpool School of Pharmacy to mark the centenary year of the School and to provide an illuminated album containing the names of all subscribers for presentation to Mr. H. Humphreys Jones, Ph.C., F.R.I.C., its principal for forty years, as a personal memento. A function at which the presentation can be made is intended to be held later in the year. Donations should be sent to the treasurer of the Fund, Mr. R. J. Price, M.P.S., 206 Bedford Road, Rock Ferry, Ches.

To the amount of £94 5s. so far received the following have contributed:—Messrs. R. Arthur; E. Backhouse; R. A. Badham; S. Bastick; A. E. Bateson; E. V. Benbow; A. P. Bennett; T. L. Bennett; L. Bixter; H. H. Black; A. E. Bradley; R. Bray; A. C. Brocklehurst; J. R. Bromley; A. Buchanan and H. Buckley; the Misses D. W. Callow and Joan M. Capsticks; Messrs. E. C. Cockhill; J. J. Coleman; M. Cowell; A. L. Deake; Harold Dixon; A. M. Benson Evans; E. Morrice Evans; W. R. Fleming; N. S. Fowler; W. E. George; E. Gilliland; D. J. Knowles Hague; W. H. Harrison and R. A. Highton; Miss E. M. Hirst; Messrs. Frank Holden; Charles Hopwood; G. H. Hughes; Hugh Hughes and L. E. Hughes; Miss Nina C. Hughes; Messrs. T. Humphries; S. H. Isaacson; F. E. Jervis; D. L. Jolly; A. Jones; A. J. Jones; C. D. Jones; E. Herbert Jones; E. Glyn Jones; L. I. R. Jones; M. G. Jones; Noel Jones; Owen Jones; R. H. Jones; T. W. Jones; A. E. Kearne; E. M. Kennedy; G. F. Leach; V. H.

Lomax; N. Lustgarten; Norman Marsh; G. Nixon; E. A. Orlans; H. H. Parry; A. Pritchard; H. P. Rees; Cliff Rider; W. Saun and R. E. Thomas; Miss W. A. Thomas; Mr. W. Tregenza and J. W. Waterworth.

Guild of Public Pharmacists.—At the annual meeting of the Guild of Public Pharmacists held recently in Nottingham, president (Mr. D. Currie) in the chair, was reported that membership had reached a record total of 1,011 members; there had been steady progress in organisation by the formation of new branches and by the formation of groups, an attempt was being made to reach members in scattered areas. At a meeting of the Council of the Guild on July 9, the following officers were elected:—*President*, D. H. S. Cox; *Vice-president*, Miss M. Islip; *Treasurer*, Mr. A. M. Mees; *Registrar*, Mr. G. Bryan; *Assistant Registrar*, Miss G. M. Byron; *General Secretary*, J. Moore; *Deputy Secretaries*, Messrs. E. W. Barstow and A. G. Shaw; *Editor*, Mr. C. J. Ninnis; *Assistant Editor*, H. A. Robinson; *Insurance Registrar*, J. H. Wood. A report on the progress made in the arbitration proceedings was presented and the Council expressed "a profound dissatisfaction" with the suggested arrangements and asked for a further meeting of the Joint Consultative Committee (Public Pharmacists) to be called. The Council was informed of meetings of the Pharmaceutical Standing Advisory Committee and it was anticipated that a further memorandum dealing with supplementary officers would be issued. Various committees had been set up to prepare reports for the Minister of Health on matters as hospital administration, pharmaceutical research in hospitals, standardisation of accommodation and equipment, the desirability of a central sterile service, and manufacturing in hospitals. The Pharmaceutical Standing Advisory Committee had also been asked to prepare a report on technical problems involved in the provision of a pharmaceutical service in health centres. The Guild Council agreed to co-operate with the Pharmaceutical Society in making a survey of hospital pharmaceutical manpower. Further consideration of policy towards health centres was referred to the Executive Committee, as was the question of employment of unqualified staff in hospital pharmaceutical departments. The next meeting of the Council has been arranged for Friday, August 5.

IRISH NEWS

Irish Pharmacists Visit Liverpool.—The invitation of Evans Medical Supplies, Ltd., a party comprising Messrs. P. Brady (president, Pharmaceutical Society of Ireland), J. J. Roche (president, Irish Drug Association) and H. G. Smith,



Two Irish presidents photographed with Mr. R. Such at one of the carrier systems in the warehouse. Left to right: Mr. W. R. Such, J. J. Roche and Mr. P. A. Brady.

travelled from Dublin to Liverpool recently to visit Messrs. Evans' establishments at Corn and Speke. Mr. W. Rowland (managing director, Evans Medical Supplies (Ireland), Ltd.) was in charge of the party which was met at Liverpool by Mr. W. J. Merrick (the company's public relations officer). At the Evans Biological Institute, Runcorn, a two-hour tour of the laboratories was conducted by Dr. Riding (medical superintendent of the Institute). At Speke they were entertained to lunch by the chairman (Mr. I. V. L. Fergusson) and directors, and later were taken on a tour of the company's Speke factory. The party was entertained to dinner in Liverpool before sailing for Dublin.

Chemists' Golf at Newlands.—The Chemists' Golfing Society held an annual tournament at Newlands, co. Dublin, on July 17 for prizes presented by May, Roberts and Sons, Ltd., and Johnson Brothers, Ltd. The first game, in which there was keen competition, was an 18-holes match, won by Mr. W. R. Such (19), 73; runner-up, Mr. D. P. McHugh (9), 73; and in 18-holes bogey competition the winner was Mr. M. Costello (10), all square, and the second prize went to Mr. F. J. Roche (6), 1 down. At a supper that followed, Mr. J. Smyth (captain) presided, and the present included Messrs. J. J. Roche

and D. Woulfe (president and vice-president, Irish Drug Association), Frank Timoney, R. F. Timoney, J. Gorry and Frank Kavanagh. The prizes were presented by the captain, who especially welcomed Mr. Gorry, a foundation member of the Society. Messrs. Such and McHugh expressed the thanks of the Society to the donors of the trophies. The next outing is to be held at Mullingar in August.

OVERSEAS NEWS

Buchu—a Profitable Crop.—The growing of buchu leaves is more profitable than cultivating grapes for wine, according to Mr. G. F. Badnall, head of a Cape Town firm of exporters, and export agent for the buchu growers. The Paarl, Cape Province, farmers work on semi-co-operative lines and Mr. Badnall has been largely responsible for the much higher prices they have been receiving for buchu since the war.

Australian Prescribing Changes.—Under the amended Pharmaceutical Benefits Act, which comes into operation in Australia on July 25, doctors must write on official forms prescriptions for preparations listed in the Government's formulary, enabling patients to obtain them free; if requested not to do so by the patient, a doctor need not use the form. The amended regulations also remove restrictions previously imposed on the quantity of medicine or drugs which may be supplied on prescription, and on the number of times a prescription may be repeated during the six months for which it is valid.

"Glass" Bandages.—A new type of "glass" bandage, claimed to be stronger than plaster of Paris and about one-sixth as heavy, is now being used by the South African medical profession. The new bandages look like spun silk and are composed of glass and plastic. When treated with a special solution they become rigid and capable of supporting heavy weights and are now being used as casts for broken limbs. A Rand doctor pointed to the advantage of the plastic bandages in the treatment of poliomyelitis, arthritis and most traumatic conditions. "Hot packs hydrotherapy," he explained, "can be carried on without disturbing the immobilisation of the limb." The new "glass" cast, he added, is cool to wear because its porous structure admits light and air. It also eliminates many of the aches attached to wearing heavier casts,

BIRTH

CRUICKSHANK.—At the Elgin nursing home, Calcutta, India, on June 15, Barbara, the wife of Louis S. Cruickshank, M.P.S. (Eastern sales development manager, May & Baker (India), Ltd.), of a son.

MARRIAGE

COOPER—LILLIE. — At Newtownbreda Presbyterian Church, Belfast, on July 11, Norman Calvert Cooper, M.P.S.N.I., M.Sc., Monbrief, Lurgan, co. Armagh, to Nora Lillie, Quoile, Downpatrick.

DEATHS

BOWYER.—In Whitehanger, Sussex, nursing-home, recently, Mrs. A. R. Bowyer, widow of the late Mr. C. Bowyer, M.P.S., formerly of North Street, Midhurst, Sussex, aged eighty.

COTTAM.—At Lincoln County Hospital, on July 13, Mr. George E. Cottam, traveller and buyer for Battles, Ltd., chemists, Stonebow, Lincoln, aged fifty-seven.

HARDY.—On July 17, Mr. William James Hardy, J.P., a director of Davidson & Hardy, Ltd., Castle Place, Belfast. The pharmacy, now almost 100 years old and known throughout the country, was established at that address in 1852 by Mr. T. J. Cantrell. The business was known as Cantrell, Davidson & Leslie until the entire interest was acquired by Mr. Hardy in 1898. Under his direction the business became one of the most progressive in the city. A native of Richill, co. Armagh, Mr. Hardy spent most of his career in Belfast. He was also associated with the former business of Harmur, Ltd., Ann Street, Belfast. In recent years he became less active in the affairs of the company which is now carried on by his eldest son, Mr. A. T. Hardy, Ph.C., F.B.O.A., a one-time vice-president of the Ulster Chemists' Association. Mr. W. J. Hardy took an outstanding part in pharmaceutical affairs. He was one of the founders of the Pharmaceutical Society of Northern Ireland, was elected to the original Council, and became president in 1928-29, retiring from the Council three years later. He was also a past-president of the Ulster Chemists' Association, and his public services were recognised by his appointment as president of the Belfast Chamber of Trade. Mr. Hardy is survived by his widow, three sons, and a daughter.

HEMMING.—At the Alexandra Hospital, Cosham, Portsmouth, recently, Mr. Erick Hemming, Ph.C., for many years prior to his retirement, in 1946, head of the pharmacy department, Portsmouth Municipal College. Mr. Hemming qualified as a chemist and druggist in 1911, passed the Pharmaceutical Chemist examination in 1921. In 1928 he was appointed a member of the Society's board of examiners; he was also a member of pharmacognosy subcommittee, British Pharmaceutical Codex Revision Committee.

THELWELL. — Suddenly, on June 18, Mrs. Faith Thelwell, wife of Mr. J. Thelwell, M.P.S., The Parade, East Chichester, aged thirty-four.

WISE.—On July 2, Mr. Guy W. Wise, M.P.S., Beech Lodge, Hulham, Exmouth, Devon. He qualified in 18

INQUESTS

Trigger at Reduced Pressure.—An inquest on June 20 on Mr. T. H. Hutton, M.P.S., Warrington, Mr. L. Craigmiles, a gunsmith, told the coroner of test had made with a shot gun that was by the side of Mr. Turton when he was found, dying, by his wife. Pressure of triggers had been reduced so that they would fire if only about half the normal pressure was applied, and if anything touched them the gun would have fired. Mrs. Turton said that her husband always moved his guns to a room behind the dispensary if he was leaving the house unattended, and she felt sure he had been doing that. He had no business worries. The verdict was "Death from misadventure."

Wrong Drug Supplied.—A verdict of misadventure was returned at an inquest at Thornaby-on-Tees recently on a thirty-year-old man who had died after taking an overdose of strychnine. The drug had been supplied in a medicine dispensed by his doctor. The doctor had been supplied by an assistant of T. N. Salmon & Son, Ltd., chemists, Stockton-on-Tees. The doctor said he was satisfied that he had supplied strychnine instead of morphine. A medical supervisor said that he had not asked to check the order. Mr. N. S. Salmon (superintendent of the company) said the assistant was not qualified; the head of the department, a pharmacist, was responsible for checking poisons. The bottle of the two drugs at the pharmacy were similar, but correctly labelled.

TOPICAL REFLECTIONS

scs
he authoritative articles by Dr. C. H. Hewes on viruses and virus diseases are a very welcome feature, informing us of what is important for everyone engaged in preparing medicaments to know. In his second article (pp. 78-79) the author discusses various diseases due to or associated with the activities of viruses. His reasons, on, and differentiation between influenza and the common cold are of a peculiar interest. Those who read that part of the article attentively will be able to check it, so to speak, by their own experiences and those of some of their friends. Of the common cold Dr. Hewes writes: "... we are only just beginning to glimpse order in the chaos." Dr. Hewes is clearly distinguished by him from the "hotch-potch of ill-defined diseases" referred to in the second paragraph on p. 78. Each advance in the knowledge of this distressing disease is of great value, even if the benefit is only potential. The electron microscope can assist in the field of research. There is a possibility, the writer of the article shows, that "new developments" in knowledge of the cause of cancer may be expected soon. It may appear strange that, after so much has been expended on the search for the cause, the quest still baffles men of science. Experience of other diseases justifies the hope that success will ultimately find some worker or team of workers.

Hazard Order of Priorities

In our editorial comment on p. 81, and in the letter of Mr. G. M. C. Stewart on p. 82, we confirmed my suspicion that the Council of the Pharmaceutical Society needs to order further the order of its priorities. Apprentices whose unfortunate experience Mr. Stewart relates were, no doubt, referred by the Society before June 1, 1949. That which is happening in Scotland may be happening on a larger scale in England and Wales. Though such apprentices are a diminishing group, destined usually to disappear by what in legal terms is called effluxion of time, their case should be sympathetically considered, and efforts should be made to provide for them to the utmost within the limits of the Society's regulations. A paragraph in the report of the July Council meeting (p. 5, col. 2) reveals an instance of a decision that seems to be hastily con-

trived. The Council, we read, "saw no reason why a Branch should not recommend its members to support a particular candidate or candidates, but deprecated the sending out by a branch of communications to other branches asking for their support." On the face of it this pronouncement indicates approval of a one-way traffic. Branch X may apparently recommend its members to support candidates who are members of Branches Y and Z, but neither of those branches may ask Branch X for its support for their candidates. The fact that the Council has issued this loosely worded statement strengthens the case for election on a territorial basis.

Poisonous Insecticides

News paragraphs on pp. 68 and 73 bring before us a question that needs discussion on an international scale: I refer to possible dangers from the use of poisonous insecticides on crops. The information given on July 7 in the House of Commons is satisfactory so far as it goes. The toxicity subcommittee of the Research Coordinating Committee on Insecticides has, presumably, accumulated by now a considerable volume of data as a basis for further investigation. Two risks that come to mind are (1) the effect of spraying with such insecticides crops eaten by man or by domestic animals, and (2) the long-term result of retention of such insecticides in the soil of farms and market gardens. During recent weeks British newspapers have published correspondence suggesting that birds and bees are being steadily reduced in numbers, the inference being either that they are poisoned by eating insecticidal food (or insects poisoned by it) or that they refuse this food and die or migrate. What the outcome of consequential changes on agriculture and horticulture may turn out to be I cannot guess; but the question is disquieting and, as I have indicated, should be dealt with internationally. We shall probably be told that existing international councils and committees already have their hands full. Here, however, is a problem that concerns all mankind, and there are bodies of fairly recent establishment, such as the World Health Organisation, that would appear sufficiently young and flexible to adapt themselves to such purposes whether directly or by subcommittee.

Xrayser

NEW COMPANIES

IVERS ASSOCIATES, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturing and retail chemists, etc. Eric Ivers, director. R.O.: Faraday House, 17 Todd Street, Manchester, 3.

G. A. CLARKE (CHEMISTS), LTD. (P.C.)—Capital £10,000. To acquire the business of a chemist and druggist hitherto carried on by George A. Clarke, M.P.S., at 282 Union Street, Torquay. George A. Clarke, M.P.S., Blanche Clarke, and Ronald Tucker, M.P.S., directors.

FIRMENICH & Co., LTD. (P.C.).—Capital £10,000. To carry on the business of manufacturers of and dealers in chemicals, essential oils, raw materials for the perfumery, cosmetics, soap, pharmaceutical industries, etc. Andre Firmenich, director. Solicitors: Denton, Hall & Burgin, 3 Gray's Inn Place, London, W.C.1.

Company News

NORTH BRITISH RUBBER Co., LTD.—Mr. Alexander Johnston, J.P., having asked to be relieved of the combined duties of chairman and managing director, the board have appointed Mr. John K. Coutant and Mr. Douglas H. Gordon as joint managing directors as from July 1. Mr. Johnston continues to act as chairman of the board.

MITCHELL COTTS & Co., LTD.—An issue of 1,066,490 ordinary shares of 5s. each and 250,000 $4\frac{1}{2}$ per cent. cumulative redeemable second preference shares of £1 each is to be made to shareholders. The new ordinary shares will be offered at par to existing ordinary shareholders by way of rights in the ratio of three new shares for every seven shares held. The new second preference shares will be offered at 21s. per share to all preference and ordinary shareholders.

LAPORTE CHEMICALS, LTD.—It is proposed that the capital be increased from £1,000,000 to £2,000,000 by the creation of 4,000,000 ordinary shares of 5s. each; and that all such shares, when issued and fully paid, be converted into ordinary stock transferable in amounts and multiples of 5s. each. The company is to acquire the entire issued share capital of Hunt Brothers (Castleford), Ltd., Chemical Works, Castleford, Yorks. Application has been made to the Capital Issues Committee for consent for the issue of 250,000 ordinary shares

of 5s. each for this purpose. The directors also announce that they have in mind the possibility of a bonus issue.

ASPRO, LTD.—In a statement to stockholders, the chairman (Mr. M. A. Nicolas) states that "major changes in the management of the company have taken place." The two former managing directors, Mr. E. H. Neale and Mr. F. S. Wright, have resigned from the board at the termination of their contracts as general managers. Subsequent litigation, relating to their claims for damages, has been satisfactorily settled under the advice of counsel. Mr. Evan T. McColl has been appointed managing director, and Mr. J. C. Hogge has been appointed a director to fill a board vacancy. The contract with Mr. J. MacKenzie, former managing director of the subsidiary, Ivers-Lee (G.B.), Ltd., has been terminated, Mr. MacKenzie has resigned his directorships. The affairs of Ivers-Lee (G.B.), Ltd., together with Ivers-Lee Engineering, Ltd., have been taken over by Mr. R. G. Grewell who has been appointed chairman of the board of the two companies. Mr. Landault has been appointed managing director of Ivers-Lee (G.B.), Ltd. The financial year end has been changed from June 30 to March 31.

BUSINESS CHANGES

MISS NIAMH KENNEDY, M.P.S.I., has opened a pharmacy at Castle Street, Roscommon, co. Roscommon, Eire.

GLASGOW METHYLATING Co., Ltd. Glasgow and London, announce that A. E. Young, who has been appointed managing director of the company, has his office at the company's London depot, Burwell Road, Leyton, E.10. His office is now in full operation.

MR. STUART L. GRAHAM, who for the past fifteen years has been export manager of County Perfumery Company, Ltd., has been appointed export manager, from August 1, of Silvikrin Laboratories, Ltd., and Prichard & Constance (Manufacturing), Ltd.

RICHARD HUDNUT, LTD., Power Road, London, W.4, have appointed Mr. A. Boyington their Northern sales supervisor. Mr. Boyington has been one of the company's representatives since Three Flow beauty aids were introduced into the country.

COMPANY REPORTS

TAMINS, LTD.—Net profit of the parent company for the year ended March 31 amounts to £21,867, after deducting £276 for taxation, against £27,788 in previous year when taxation amounted £30,439. A dividend of threepence per share less tax, is recommended.

J. WHITE, LTD.—Net profit of the parent company for the year ended March 31 amounts to £74,628 (against £52,727), and £24,875 is brought in from previous year. A final dividend is recommended of $7\frac{1}{2}$ per cent., less tax, maintaining the dividend at $12\frac{1}{2}$ per cent.

HECHAM GROUP, LTD.—Trading profit for the year ended March 31 amounts to £105,194 (home, £1,216,940, export, £3,254), against £122,370,181 (home, £95,094, export, £675,087). The directors are not recommending a final dividend on the deferred shares (compared with 4 per cent. in the previous year). The total distribution is therefore 36 per cent compared with 40 per cent.

BOOTS CASH CHEMISTS (LANCASHIRE), LTD.—Net profit for the year ended March 31 amounts to £103,830, against £83; the sum of £22,743 (£23,015) is brought forward making £126,573 (£109,818). To general reserve, £34,832; stock reserve, £10,000 (£15,000); pensions, £5,334 (nil); property reserve, £100 (nil); goodwill purchased during the year, £2,000 (£20,950); preference dividend, £9,405 (same); ordinary dividend, £40,000 (£15,000); carry forward, £502 (£22,743).

BOOTS CASH CHEMISTS (NORTHERN), LTD.—Net profit for the year ended March 31 amounts to £63,581, against £7,315; the sum of £27,828 (£27,766) is brought forward making £91,409 (£87,081). To general reserve, £3,597 (nil); stock reserve, £8,000 (same); property reserve, £100 (nil); pensions, £4,460 (nil); goodwill purchased during the year, £900 (£30,000); preference dividend, £253 (same); ordinary dividend, nil (£10,000); forward, £27,699 (£27,828).

BOOTS CASH CHEMISTS (SOUTHERN), LTD.—Net profit for the year ended March 31 amounts to £181,978, against £13,234; the sum of £54,693 (£55,134) is brought forward making £236,671 (£8,668). To general reserve, £27,678; stock reserve, £45,000 (£30,000); property reserve, £5,000 (same); pensions,

£13,415 (nil); goodwill purchased during the year, £20,600 (nil); preference dividend, £18,975 (same); ordinary dividend, £50,000 (£100,000); carry forward, £56,003 (£54,693).

BOOTS CASH CHEMISTS (EASTERN), LTD.—Net profit for the year ended March 31 amounts to £181,972, against £124,552; the sum of £35,674 (£38,022) is brought forward making £217,646 (£162,574). To general reserve, £5,988 (nil); contingencies reserve, £5,575 (nil); stock reserve, £25,000 (£50,000); pensions, £38,414 (nil); goodwill purchased during the year, £5,900 (£10,250); property reserve, £10,000 (£4,000); preference dividend, £12,650 (same); ordinary dividend, £75,000 (£50,000); carry forward, £39,119 (£35,674).

BOOTS CASH CHEMISTS (WESTERN), LTD.—Net profit for the year ended March 31 amounts to £142,196, against £105,525; the sum of £23,484 (£31,864) is brought forward making £175,680 (£137,389). To general reserve, £36,082 (£25,000); contingencies reserve, £1,291 (nil); stock reserve, £20,000 (£15,000); property reserve, £5,000 (£3,000); pensions, £9,211 (nil); goodwill purchased during the year, £20,200 (£21,550); preference and preferred ordinary dividend, £14,355 (same); ordinary dividend, £35,000 (£25,000) carry forward, £34,541 (£33,484).

BOOTS PURE DRUG CO., LTD.—Consolidated profit and loss account for the year ended March 31, 1949, shows the earnings of the group as £1,070,434 against £948,401. Net profit of the parent company amounts to £627,662 compared with £679,428 for the previous year. The sum of £215,846 (£190,145) is brought in and £100,000 (nil) is transferred from reserve against fall in value of stock, making £943,508 (£869,573). To general reserve, £44,092 (nil); works development and contingencies reserve, £50,000 (nil); depreciation of freehold properties, £50,000 (nil); provision for losses in overseas subsidiaries, £37,000 (£43,000); pensions, £130,591 (£100,000); stock reserve, nil (£105,515); preference and preferred ordinary dividends, already paid, £53,212 (same); ordinary interim dividend, 20 per cent., already paid, £176,000 (same); proposed final ordinary dividend of 20 per cent. (same), £176,000; carry forward, £226,613 (£215,846).

TRADE NOTES

Display Discount.—On another page S. Maw, Son & Sons, Ltd., Aldersgate House, Barnet, Herts, give details of a display discount offer of Meritor DDT Antimoth.

New Size.—Roche Products, Ltd., Welwyn Garden City, Herts, have introduced a 50-mgm. size of Benerva vitamin B₁ tablets to meet a demand for a massive-dose pack for use in intensive treatment.

Insect-powder "Puffers."—Thornton & Ross, Ltd., Linthwaite, Huddersfield, are marketing Amogas DDT insect powder for household and garden use in "puffer" drums of 4 oz. and 8 oz.

Now in ½-oz. Tubes.—Thomas Kerfoot & Co., Ltd., Vale of Bardsley, Ashton-under-Lyne, announce that their penicillin ointment, B.P., is now available in ½-oz. tubes, packed in dispensing carton with detachable label.

Authorised Price Increase.—In view of unexpected increases in the manufacturing costs of their popular pressed powder compact, Coty (England), Ltd., 3 Stratford Place, London, W.1, have been authorised by the Central Price Regulation Committee to increase its selling price on August 1. Refill prices are unchanged.

Restyled Package.—The Evan Williams shampoos, manufactured by Evan Williams Co., Ltd., are being issued from July 20 in a pack of a new design, as illustrated. The design features the well-known "girl with the flowing hair"; the words "ordinary grade" are now omitted from the henna shampoo. The shampoos themselves are unchanged in quality or composition.



New Chemical Plant.—British Industrial Solvents, Ltd., 4 Cavendish Square, London, W.1, have put into operation at their Hull works a new plant for the large-scale manufacture of aceto-acetanilide for use in the dyestuffs industry. The sole distributors in the United Kingdom are W. J. Bush & Co., Ltd., Ash Grove, Hackney, London, E.8.

Bonus Offer.—Spa Brushes, Ltd., man Works, Chesham, Bucks, are offering six Spa dental plate brushes as illustr



each in a hygienic tube and packed together in a display outer, tax-paid, orders of a combined bonus parcel of nail-, hair- and tooth-brushes. Full details may be obtained from the company.

Ethers, Anaesthetic and Technic.—J. F. Macfarlan & Co., Edinburgh Boreham Wood, Herts, offer uncased ethers ready packed and held in readiness to give immediate delivery. very many years past Messrs. Macfarlan have dispatched their ethers in cases of twenty-four 1-lb. bottles or eight winter quarts, each contained in a cartoned whole fitting snugly in a hinged and fastening case, requiring no padding material or nails. Despite constant search, they have as yet found no better outer packing for ensuring to their customers, clean, quick handling in unpacking and repacking.

Increase of Potency.—The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, are increasing the potency of Crookes halibut-oil capsules by approximately one-third to 6,000 international units of vitamin A and 600 i.u. of vitamin D per capsule without alteration of the retail price. (The increase in potency does not apply to the plain oil). The increase will not be advertised to the general public until September 15, but new potency capsules will be supplied to the trade from August 1. Pharmacists are being asked to continue to supply stock until a national advertising campaign commences on September 15. From that date the company will accept back exchange only, any remaining stock of the old capsule.

Seaside Beauty Contests.—F. Hampshire & Co., Ltd., Sunnydale, Dorset, are conducting a "Miss Snowflake of 1934" contest at a number of seaside resorts during the summer season. The contest starts at Morecambe on July 4. Remaining dates are: Week commencing July 25, Brighton; August 1, Ramsgate; August

August 15, Great Yarmouth (except day, Gorleston); August 22, Roker Seaburn; August 29, Southsea; number 5, Margate. Entry forms are available at chemists' shops in the in which the contest is being held, many forms of publicity, such as post-banners, cards and window displays attention to the contest. A *compère* the show, which takes place each during the week. Numerous prizes are led.

trial-size Perfume.—Picot, Ltd., 191 Berrysmith Road, London, W.6, are giving to Picot agents only a trial size of their three best selling perfumes (Picot



5, Le Train Bleu and Le Muguet). The perfumes are identical with those in the larger sizes, and the makers claim that the offer is the first of high-quality agency perfumes at a popular price. The new trial size is packed in black and white counter-display folders containing four bottles, each individually boxed as usual.

Holiday Closings.—All departments of S. MEDICAL SUPPLIES, LTD., Speke, Liverpool, 19; (emergency requirements of drugs and vaccines from addresses on p. 3 of company's "A" list).—The premises of G. LABORATORIES, LTD., Greenford, Middlesex, will be closed from Friday morning July 29 until Tuesday morning August 2 (emergency staff available before 9 a.m. and 12 noon on July 30).—S. and works of HIRST, BROOKE & CO., LTD., Sheepscar Works, Leeds, 7, will be closed from Friday afternoon, July 29 until Wednesday morning August 3.—MAY & BAKER, LTD. and PHARMACEUTICALS (MAY & BAKER), LTD., Dag-

enham, will be closed on July 30 and August 1. (Order department of Pharmaceutical Specialities (May & Baker), Ltd., closed from noon on Friday; urgent supplies from John Bell & Croyden, 50 Wigmore Street, London, W.1).—The Trafford Park works of PHARMACEUTICAL LABORATORIES GEIGY, LTD., National Buildings, Parsonage, Manchester, 3, will be closed for annual holidays from July 22 to August 7, inclusive. The company's head office and medical department will be open as usual during the works holidays.—S. SIGAL & Co., LTD., 47 Tabernacle Street, London, E.C.2, will be closed for annual holidays from Friday afternoon, July 22, until Monday morning, August 8.—The offices and warehouse of VITAMINS, LTD., Upper Mall, London, W.6, will be closed from Friday afternoon July 29 until Tuesday morning August 2.—The works of WHITE, TOMKINS & COURAGE, LTD., North Albert Works, Reigate, Surrey, will be closed for annual holidays from Friday afternoon, August 5, until Monday morning, August 15.

Proprietary Articles Trade Association

Addition to Protected List (Part 1).—

Calmic, Ltd., Hypon analgesic tablets, 9s. doz., tax 33½ per cent., inclusive retail price 1s. 4d.

Alteration to Protected List (Part 1).

—*Aero-Ped, Ltd.* (distributors, *Thos. Christy & Co., Ltd.*). Aero-Ped powder, 20s. doz. (exempt from tax).

Addition to List (Part 2).—*Culmak,*

Ltd., Culmak 50-50 (Fifty-fifty) shaving-brush, 82s. 6d. doz., tax 33½ per cent., i.r.p. 12s. 6d.

COMING EVENTS

Wednesday, July 27

EDINBURGH CHEMISTS' GOLF CLUB. Competition at Dalmaahoy for E.C. trophy and captain's prize. BRITISH STANDARDS INSTITUTION, 24 Victoria Street, London, S.W.1, at 3 p.m. Annual meeting.

Thursday, July 28

LONDON CHEMISTS' GOLFING SOCIETY. Competition at Brookmans Park Club (Telephone: Potters Bar 2487).

BOLTON PHARMACEUTICAL ASSOCIATION is arranging the following coach trips (details from Mr. W. Crumblehulme, Silverdale, Stapleton Avenue, Heaton, Bolton):—August 10, to Evans Medical Supplies, Ltd., Runcorn, continuing to Chester; August 24 to Cussons, Sons & Co., Ltd., Kersal Vale, Manchester, continuing to Buxton; October 12, to Thomas Kerfoot & Co., Ltd., Bardley Vale, continuing to Blackpool.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. A. R. BLACKBURN asked the Lord President of the Council on July 12 what steps were being taken through the Medical Research Council or other bodies to ensure the production of compound E on a large scale at the earliest possible date, "in view of the satisfactory evidence as to its efficacy."

MR. HERBERT MORRISON: Research aimed at finding effective new substances akin to compound E is in active progress under the Medical Research Council, but the compounds are exceptionally difficult to make and early success is not to be expected. Large-scale production of compound E itself is a matter for commercial laboratories rather than the Council, but here again difficulties of synthesis must hamper speed. I understand the American manufacturers of the compound have intimated that the material is unlikely to be generally available for use by doctors—even in the United States—for several years at least.

Exploiting Patents in America

SIR WAVELL WAKEFIELD asked the President of the Board of Trade on July 14 if, to increase dollar earnings, he had considered organising in the North American Continent an exhibition of British inventions and patents available for exploitation by acquisition of licences. MR. HAROLD WILSON replied that he was prepared to consider any method by which Britain could increase her dollar earnings, and he had sent that suggestion to the Dollar Export Board. He was doubtful, however, whether an exhibition organised by the Government would prove the best way of securing an increase in dollar earnings from British inventions and patents. He had no doubt that British industry would take every opportunity to increase earnings from that source, and he was prepared to help in any way he could.

Standstill on Dollar Purchases

In his speech on the economic situation on July 14, SIR STAFFORD CRIPPS said the standstill on dollar purchases applied to all purchases, on both Government and private accounts. Existing contracts and commitments would continue to be honoured, as would all import licences that had already been issued. Exceptions to the standstill were being made in particu-

lar cases where essential purchases were necessary on seasonal grounds or where failure to make small purchases would have altogether disproportionate effects on production and dollar earnings. Spare parts urgently required for machines already in this country clearly satisfied the condition he had stated. Production parts assembly here would normally come within the field of existing commitments. Urgently required raw materials the Government would issue licences for the proper quantity. They would do their best to operate that emergency action in a manner to cause the least dislocation of industry, and he was sure industry would exercise restraint in making application to the Import Licensing Department. Difficulty would arise because certain materials were mainly or largely obtained from the dollar area. Cutting down materials thus created real difficulty in certain industries, while not affecting others at all. He intended to deal with the situation with great care.

MR. HAROLD WILSON (President of Board of Trade) said later that exports to the United States, which averaged £10 millions a month in 1948, fell in June to £2,983,000. The Government held it ready to give the fullest assistance to those who would launch their ships to the dollar areas, and would not hesitate to discriminate openly in favour of firms which could increase their exports to the dollar areas. It must also be the policy of the private industry itself to discriminate in respect of dollar orders. More and more firms, if they found it necessary in order to remain competitive, must be prepared to take lower prices and lower profits on accepting dollar orders. Quite a number of private firms were already doing so, and it was being done by public enterprises as well. It would be contrary to the highest national interest if firms were to refuse dollar orders in order to get higher profits from other parts of the world. Since April 11 a considerable number of exporters had visited the Export Credit Guarantee Department to discuss their problems. Most of them were anxious to do their part in helping the dollar deficit. To do this, they would have to make their goods known, maintain representative offices in North America, and arrange for distributors. Surety bonds of substantial amount

ould have to be put up to assist every reasonable project in connection with things as advertising, maintenance stocks, tendering for contracts, etc. The department was ready to discuss any proposition which business concerns put forward. They were both willing and anxious to help to finance the cost of those early trials and to carry reasonable credit risk. Mr. F. J. ERROLL asked if the Department would be allowed to guarantee dollar without at the same time being in the chance to guarantee other areas as well.—“Yes,” replied Mr. Wilson.

Supply of X-ray Films

MR. ANEURIN BEVAN (Minister of Health) informed MR. LANGFORD-HOLT on July 14 that he was not satisfied that the supply of x-ray films was adequate.

There was a general shortage and he had had to ask all hospitals to economise.

Advertising under N.H.S.

SIR HUGH LUCAS-TOOTH asked the Minister of Health on July 14 whether he was aware of the practice of commercial firms in advertising that their appliances could be obtained free under the National Health Service and offering to give details of procedure to any applicant sending his name and address, and whether he would introduce legislation to put an end to the practice. MR. ANEURIN BEVAN replied that action had already been taken to stop advertising in connection with hospital appliances, and similar steps were being considered in order to cover other items supplied under N.H.S.

LEGAL REPORTS

Morphine on Altered Prescription.—At Birmingham magistrates' court on July 13, Albert Norman Gray, 160 Reservoir Road, Selly Oak, Birmingham, a porter at Selly Hospital, was summoned for obtaining without authority, on April 23, a prescription linctus diamorphini contrary to Dangerous Drugs regulations. There were similar summonses relating to the 5s May 7 and 18. Prosecuting solicitor said that Gray had suffered from chronic rheumatism for many years, and a doctor at Selly Oak had prescribed linctus diamorphini for the condition. The doctor later decided it necessary to alter the prescription to one that contained no morphine. Apparently Gray did not consider the new prescription suited him and on three occasions altered the prescription to linctus diamorphini. The forgeries were not detected by the chemists to whom Gray took prescriptions, and the drug was supplied. The stipendiary said he would adjourn the case for twenty-one days to give Gray's doctor an opportunity to prepare a report as to the best measures for effecting a cure of the tendency to addiction in the defendant.

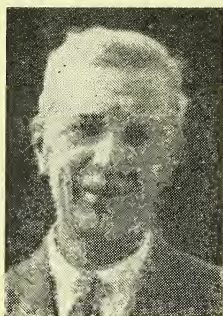
Failure to Enter.—At West London magistrates' court, on July 14, fines totalling £40, with £5 5s. costs, were imposed on Norman Fielder Tyler, M.P.S., Abingdon Road, Kensington, London, W.8, on summonses alleging that, being a person authorised to sell dangerous drugs, he failed to enter in his register particu-

lars of quantities of drugs supplied by him. Mr. Tyler pleaded guilty. A fifth summons alleging that he failed to keep his drugs cupboard locked was withdrawn. The prosecution said that on April 6 an inspector from the Drugs Branch, Home Office, went to the defendant's pharmacy on a routine inspection. The D.D. cupboard was not locked, though it might well have been that Mr. Tyler had just put something into it. On examining the drugs register the inspector found that no entries had been made of drugs supplied to customers for five weeks. A total of twenty-six prescriptions was involved. When interviewed by a police officer, Tyler said he was amazed to find he was a whole month behind. Mr. Tyler had been the proprietor of the business since 1921. He was single-handed in the shop and had been worried recently by the fact that he had been obliged to pay an inflated price for the lease of his premises. "There is nothing sinister in the fact the prescriptions were not entered . . . It appears to be just rank carelessness." Defending solicitor told the magistrate that Mr. Tyler had not had a holiday since 1940. He admitted, however, that in October 1941 fines totalling £25 had been imposed on defendant for offences against the Dangerous Drugs Act. Imposing fines as stated, the magistrate said it might have been thought that the previous convictions would have been sufficiently fresh in the defendant's memory to have kept him from committing the offences.

PERSONALITIES

MR. A. J. CHAMPION, M.P., has been appointed Parliamentary Private Secretary to the Minister of Food.

MR. CHARLES W. BAILEY, who retired on June 30 from the position of manager,



home sales department, Whiffen & Sons, Ltd., (see *C. & D.*, July 9, p. 41) was first associated with the business in February 1902, when he was engaged by Mr. T. J. Whiffen as invoice clerk. The company's offices were not, at that time, equipped with typewriters, and all correspondence was written out by hand. In 1916 Mr. Bailey was transferred to the City office of George Atkinson & Co., and remained there until the offices of the two organisations were centralised at Fulham. Later he represented the company in London and the South and West of England. He became manager of the home sales department at the beginning of the 1939-45 war, and held the appointment until his retirement from the company.

MESSRS. N. D. P. ALEXANDER, and S. A. CROMIE have obtained the B.Sc. degree in pharmaceuticals at Queen's University, Belfast.

MR. E. H. LAMBERT, M.P.S., general sales manager of Parke, Davis & Co., Hounslow, Middlesex, is now on a visit to the company's headquarters at Detroit, U.S.A.

MR. S. TAYLOR (a partner of Thos. Tomlinson & Son, chemists' valuers, Manchester) has been appointed a member of the National Health Service Executive Council for Cheshire.

MR. CECIL JOHN TAYLOR (C. J. Taylor's Embex, Ltd., manufacturing chemists, Carlisle), a member of Carlisle City Council, has been adopted as prospective Labour candidate for the new Penrith and Border Division of Cumberland. Mr. Taylor, whose premises at Liverpool were bombed during the 1939-45 war, re-established his business at Carlisle. He

stood for the Rusholme division of Manchester as an Independent in a by-election in 1944.

MISS LENA JACKSON retired on June 30 after forty-eight years with Thomas Foot & Co., Ltd., Vale of Bardsley, Cheshire. For the greater part of that time Miss Jackson has been engaged in the company's tablet department, in which she witnessed many changes and developments some of which Dr. T. H. Manners Kennerly referred when making a presentation to her on behalf of the directors and colleagues on July 11.

MR. RUPERT WOOLBY BROOKE, the president of the Western Pharmacists' Association, was

born in Sudbury, Suffolk, where he served a four-year apprenticeship. He then gained experience with Mr. James Dunning, Ventor, Jackson & Co., Acton, and Keene & Ashwell, Ltd., New Bond Street, London, W.1, before studying at the Metropolitan College of Pharmacy under Mr. C. Edward Sage. He qualified as chemist and druggist in 1906. After acting as senior assistant to the late Mr. D. Lewis, Ealing, for three years, Mr. Woolby Brooke established a pharmacy at Beccles, Suffolk. While there he became a member of the urban district council, of which he became vice-chairman, and served as member of the Amersham Board of Guardians. In 1923 he established a pharmacy in Gloucester Road, South Kensington, where he has endeavoured to encourage the professional side of the business. He has represented the Brompton Ward of the Council of the Royal Borough of Kensington and Chelsea since 1940, and was recently re-elected.

He serves on its public health and public works committees. For eight years he has been a member of the Kensington Rotary club, of which he is a past president. Mr. Woolby Brooke considers that the "Western" has a proud record of achievement, and he asks for the support of its 708 members during his year of office.



PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

July Council Meeting

MEETING of the Council of the Pharmaceutical Society of Northern Ireland was in Belfast on July 15 with the president (Mr. Henry H. Cowzer) in the chair. Present were Messrs. P. R. W. Shinn (vice-president), H. F. Moore (treasurer), C. Abernethy, F. R. Moore, J. P. H. Boyd, J. McGregor and H. W. Noble, Dr. H. D. Heazley and Professor E. B. C. Mayrs, M.D. Apologies were received from Messrs. J. McDowell, Walter Tate, W. P. Ewart, J. Irwin and H. P. Shinn. Mr. William Gorman (secretary) was in attendance. A vote of sympathy was passed with Mr. Ewart on the death of his mother.

THE PRESIDENT referred to a lecture on Legislation given by Mr. C. W. Young, B.Sc. (senior lecturer in pharmaceuticals, Belfast College of Technology) on July 7, suggested that, as it contained valuable information on present-day standards and requirements, Mr. Young should be asked to prepare a synopsis to be distributed by the Society to its members. This was agreed.

A joint meeting of the Society and the Belfast Section of the Royal Institute of Chemistry at which Mr. A. L. Bacharach gave a lecture on "The Use and Protection of Laboratory Animals" was arranged for October 18. The lecture is to be given in the Society's rooms.

Memorandum on Administration

THE SECRETARY said he had received from the registrar a memorandum of pharmaceutical administration for the year ended December 31, 1948, which showed that there had been 868 pharmaceutical chemists on the register against 837 in the previous year. There had been also 110 holders of certificates of bodies corporate (pharmaceutical chemists), thirty-three registered druggists, four superintendents of bodies corporate (registered druggists) and 382 apprentices. Thirty-five apprentices had qualified as pharmaceutical chemists during the year and were registered as such. The number of licences issued to pharmaceutical chemists had been 553, an increase of thirty-six, together with twenty-two registered druggists.

Of the pharmaceutical chemists, 121 had been issued to bodies

corporate and six to executors of deceased pharmaceutical chemists. The Ministry had prosecuted successfully in one case concerning an illegal use of a title.

The memorandum also stated that the Council had made representations to the Ministry with a view to limiting the number of times a prescription might be repeated. The matter was still under consideration and an early decision would be made. The pharmacy inspector, in addition to his other duties, had attended markets and fairs during the year and reported that medicines were not now being sold from stalls. He had paid particular attention to the disclosure of composition of substances recommended as medicines. The Ministry had made two regulations, Northern Ireland, under the Dangerous Drugs Act, 1920 (S.R. & O., 1949, Nos. 88 and 89) dealing with raw opium and the registration of pethidine and amidone. The regulations had come into force on June 1.

Displaced Persons

A letter was received from the International Pharmaceutical Federation stating that forty displaced persons with pharmaceutical qualifications were suitable as emigrants, and asking the Society to assist in securing employment for them. It was decided that the Federation should be informed that the Society was prepared to consider the possibility of securing employment in Northern Ireland for some of these persons. The secretary mentioned that, before recognition could be given, it would be necessary to consult the Societies with which reciprocity was observed. Mr. SHINNER said that in view of the current shortage of pharmaceutical chemists it might be possible to absorb quite a number of the persons mentioned.

The minutes of the Education Committee stated that the president and secretary had been appointed to inspect the facilities at Larne Technical School. Application had been made for recognition of the school for teaching for the preliminary scientific examination as a teacher was available to take classes in the required subjects. A certificate of apprenticeship was granted to Michael Lynch, Larne. THE SECRETARY said that in the Preliminary Scientific, of sixty-nine candidates,

twenty-three had passed, thirty-five failed, two had been referred in biology and nine in physics. In the Final Qualifying, of forty-eight candidates who sat, twenty-two had passed, twelve failed, seven were referred in pharmaceuticals, five in pharmacognosy, one in chemistry and one in physiology. In the Final Qualifying examination several candidates had secured high marks. One student had passed the final examination but could not be awarded a certificate as he was not yet twenty-one. THE PRESIDENT commented that the results generally were up to the average.

Presentation of Certificates

In view of the arrangements for the British Pharmaceutical Conference, it was decided to hold the next meeting of the Council on September 9. THE SECRETARY and TREASURER referred to the silver

jubilee of the Society (which falls in 1950) and it was decided that the question of celebrating the occasion should be placed on the agenda for a later meeting. The conclusion of the Council meeting, number of the successful candidates at the examination were presented with their certificates and entertained to tea. Making the presentations, THE PRESIDENT said the recipients had every reason to be proud to have their names on the register of pharmaceutical chemists in Northern Ireland. He commended them not to neglect their reading and to try to keep abreast of the rapid advances which were being made in the field of medicine. Mr. Cowzer added: "The responsibility of upholding the status of the profession rests with each one of you. It is only by preserving the highest standards that the dignity of the profession will be advanced."

PROPRIETARY ARTICLES TRADE ASSOCIATION

Meeting of Council

At the quarterly meeting of the Council of the Proprietary Articles Trade Association held in London on July 14, THE SECRETARY was instructed to send the Council's best wishes for restoration to health to Mr. T. Marns, who, said THE PRESIDENT (Mr. S. W. Hague), appeared to be making progress towards recovery from an illness. It was stated that Messrs. P. G. Hunt (Irving's Yeast-Vite, Ltd.), and W. W. Knott (Parke, Davis & Co.), were retiring from business and would cease to represent their respective companies on the Council.

Tribute to Retiring Members

THE PRESIDENT, referring to the long and valuable assistance rendered by Mr. Hunt as a member of the Council, of the Executive Committee and as president in 1944, and by Mr. Knott as member of the Council for eighteen years and a member of the Executive, moved that the Council should record their regret at the resignations, their appreciation of past services, and their good wishes for future health and happiness to Messrs. Hunt and Knott. The motion was carried unanimously. The president then welcomed Mr. E. H. Lambert (successor to Mr. Knott). Mr. M. Patten, who was to fill Mr. Hunt's place, had been unavoidably prevented from attending. By unanimous vote, Mr. Hunt was elected an honorary member of the Council.

Resale Price Maintenance Report

Manufacturer, wholesale and retail members of the Council considered at the sectional meetings the resale price maintenance position as affected by the report of the Lloyd Jacob Committee and the statement made by the President of the Board of Trade. The report and recommendations of the Executive Committee on the subject had been unanimously approved. At the full Council meeting THE PRESIDENT emphasised the grave concern of members of all sections at the conclusions and recommendations of the Resale Price Maintenance Committee and the Government policy in relation to them. The policy, if implemented, would destroy the system of ensuring observance of fair and uniform prices for proprietary articles with which the P.A.T.A. has been associated for more than fifty years—a system that operated as much in the public interest as in the interests of the trade. The Council was satisfied that the drastic alteration in the present law proposed by the Committee and endorsed by Mr. Harold Wilson was not justified by existing facts and circumstances; nor were they prepared to accept the official invitation voluntarily to abandon the collective enforcement of price-protection. They were convinced that to do so would entail an eventual return to the price-cutting conditions that had brought the P.A.T.A. into existence. It was the intention of the Council to co-operate with other inter-

ted organisations in efforts to educate parliamentary and public opinion on the unnecessary, unwise and unfair proposals which if carried out would be definitely harmful to the consumer public." The Council formally approved the president's statement and the policy recommended by the Executive Committee for aling with the position.

Price-cutter's Charter"

MR. H. N. LINSTED, O.B.E., M.P., who as present as the guest of the Council, accepted the president's invitation to refer to the Resale Price Maintenance Report. The Committee's report and Mr. Wilson's statement of policy were, he said, of fundamental importance to retail pharmacy and members of the Pharmaceutical Society. If implemented, they would constitute a price-cutter's charter." A number of reasons (e.g., pressure from the co-operative movement) may have led the Government to set up the Committee of Inquiry. The Treasury, concerned with the high cost of living, was willing to use any proposals that would result in the lowering of prices. There were those who would not mind if retail trade reverted to the time-chaos of price-cutting, for that would be a justification for Government control over another section of industry. In his view the Committee's report had standing as an objective survey of the subject and its main recommendation was worthless. He was certain that, as the drug trade was organised, no system of price-maintenance based on the ability of the individual manufacturer to control his own goods was of any use.

The P.A.T.A., continued Mr. Linstead, could be under no illusion that it was dealing with a purely political matter. It took the view that it could not mix itself up in party politics it must resign itself to extinction. "You have to decide whether you are prepared to accept the allegation that for years you have been running the sort of racket of which, by implication, the report accuses you, or whether you have been engaged in conducting something that is economically necessary in a great industry. If you value your own self-respect, if you value prosperity in this industry, you have only one thing to do: to fight this report on the basis that it is a false representation of economic facts. I would suggest that there is a great fund of goodwill in the House of Commons which could be mobilised on your side."

Support from N.P.U.

MR. H. NOBLE (secretary, National Pharmaceutical Union) who was also present as a guest, assured the Council that the P.A.T.A. would receive the full support of the N.P.U. in any action it might take in connection with the Resale Price Maintenance Report.

THE SECRETARY reported the receipt of donations amounting to £540 to the Association's funds, and the Council thanked the individual donors. Proofs of the year-book and protected list had been received; publication and distribution could be expected in a few weeks.

Secretary's Report

The secretary's quarterly report on price maintenance showed that, during the previous quarter, 583 calls had been made by the Association's representatives and investigators, who had made 480 test purchases. The names of two traders, who had completed the appropriate agreement, had been removed from the stop list and the names of four traders, who had persisted in price cutting after due warning had been given, had been added. Other cases of price cutting (mainly of toilet articles) had been settled. Complaints about the auctioning of P.A.T.A. goods by traders in metropolitan and provincial market places had been investigated, and P.A.T.A. articles had, in two cases, been withdrawn from stocks of goods offered by auction. Cases involving the allowance of unauthorised discounts by wholesalers had also been investigated and appropriate action taken.

Liquid Soap Standard.—British Standard No. 1545 for liquid toilet soap, issued recently, provides a minimum standard for unmedicated liquid toilet soap of general purpose quality only; it does not cover special types, e.g., for surgical use. Under the new standard, the soap consists of an aqueous solution of potassium and/or sodium soap made from vegetable oils; standards of perfume, colour, fatty acid and free alkali content (with the methods of determination), lathering and keeping qualities, and deposition of solid matter are included. Copies of the specification may be obtained from the Institution, 24 Victoria Street, London, S.W.1, price one shilling each. The Institution's year-book (5s. post free), recently published, gives a subject index and a synopsis of each of the 1,500 British Standards that are now current.

STANDARD SYNTHETICS LIMITED

*Actual distillers of Essential Oils
Manufacturers of Aromatics, Perfume
Bases and Flavours.*

*We specialise in Cinnamon Bark Oil,
Juniper Berry Oil, Winter-
green Oil, Eucalyptol,
French Lavender Oil, Ter-
peneless Lemon Oil, Rose
Perfumes, etc.*

**76 Glenthams Rd., Barnes
London - - S.W.13**
Telephone:- Riverside 3616

WYREX RUBBER CUSHIONED HAIR BRUSHES

WIRE PINS 5/6 NYLON 7/6 incl. tax
BABY'S OWN BRUSH — NYLON 4/6

Ask your Wholesaler or enquire from
OAKFIELD & CO. AMERSHAM, BUCKS.



STOPS THE PAIN IN A FEW MINUTES

TWINKLE

Prepared by fully Qualified Pharmacists and sold under
Analyst's Certificate of Purity. For Headaches, Neuralgia, Pains
peculiar to Women, Severe Colds and Flu.

★ Write for
BONUS TERMS

**VANDRE LTD.,
GLASGOW, C2**

★ HEADACHE POWDERS

SOFT & LIQUID SOAPS

For Manufacturing and other technical
and general uses.

W. M. DELF (L'POOL) LTD

SOAP AND DISINFECTANT MANUFACTURERS
DELCO WORKS, LIVERPOOL, 9

Telegrams: Glycerine, Liverpool
Telephone: Aintree 1752 (2 lines)

BURROUGH'S

No licence
now required.

S.V.R.

James Burrough Ltd., 1 Cale Distillery, London, S.E.

TRAGACANTH

SPECIALISTS IN B. P. POWDER

SAMPLES AND PRICES ON REQUEST
FREUDENTHEIL, SMITH & CO., 16 Philip Lane,
London, E.C.3

MANsion House 1924 & 6600.

Estd. 18



100 STANDARD Saccharin TABLETS

56/- per gross. Any quantity.
Special quotation for large quantities
THE WALLIS LABORATORY LTD.
Actual Makers
58 King George's Avenue, Watford, Herts.



SONGOL

For TRAVEL SICKNESS
on Air, Land or Sea

VANDRE LTD., GLASGOW, C2

RESUFLIN

ASTHMA
TABLETS.

("Re-suf-lin")

for ASTHMA, BRONCHITIS, EMPHYSEMA

Please order through your Wholesaler

Resuflin Ltd., 7 Pall Mall, Manchester 2

LIVERPOOL SCHOOL OF PHARMACY

Principal: H. Humphreys Jones, F.R.I.C., Ph.C., F.C.S.

Preparation for the Inter and Qualifying Chemist and
Druggist Examinations of the Pharmaceutical Society

Next session will commence the first week in Oct.
August 3—Revision courses for Sept.—Oct. Exam
Fee 8½ guineas. 2 Blackburne Place, Liverpool

INFORMATION WANTED

The Editor would appreciate information
about suppliers of the following items

Venducircular abdominal belt
Carbomine tablets

The
CHEMIST AND DRUGGIST
RETAILER—WHOLESALE—MANUFACTURER
ESTABLISHED 1859

circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Smeitic, Toilet Preparation and allied Trades throughout the World.

Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.

L. CLII JULY 23, 1949 No. 3622

An Indispensable Handbook

In recent years there has been a large increase in the number of emulsifying agents available for use in pharmacy. One result has been that the pharmacist is faced with an almost bewildering assortment of emulsifying agents having different properties and requiring a variety of methods of handling. In "Pharmaceutical Emulsions and Emulsifying Agents," the author, Mr. L. M. Spalton, M.P.S., classifies these emulsifying agents and presents the essential practical points about their pharmaceutical use.

The book opens with a chapter in which is reviewed simply and concisely the theory of the formation of emulsions. The next chapter is devoted to the properties of different emulsifying agents, and these are classified into groups according to their structure and characteristics. Chapter 3 deals with the formulation and preparation of emulsions; the general methods of preparing emulsions, and the factors that should be taken into consideration in emulsion and technique are given. A full section deals with the probable causes of emulsion separation. The fourth chapter, the largest, is possibly also the most valuable, because it is devoted to the practical uses of different emulsifying agents. Details are given about the methods of handling each type of emulsifying agent, together with important points to be noted, and with incompatibilities; a large number of specimen formulas are included. The fifth chapter deals with the

important topic of preservation and storage of emulsions. A classified index of emulsifying agents and other substances employed in pharmaceutical emulsions is included in the book. The classified index lists alphabetically over 300 emulsifying agents and allied substances. Brief details are given about their composition, type and uses, with back references to the text pages. The names of the manufacturers form a useful index that alone makes the book invaluable. Copies are now available from the Publisher, THE CHEMIST AND DRUGGIST, price 5s. (post free 5s. 6d.).

Rent Control Under the 1949 Act—1

THE Landlord and Tenant (Rent Control) Act 1949, which received Royal assent on June 2, should be studied by every tenant trader who lives above his shop premises. Usually, premises of that kind are controlled by the Rent Acts if the rateable value does not exceed £100 in London, or £75 elsewhere. If the premises were newly erected or converted after September 1, 1939, they would have a controlled rent, fixed by reference to the amount paid at the first letting. As rents have been unusually high, owing to the war, the standard rents of such properties would be out of all proportion to the standard rents of properties let before the war. In order to remove those injustices, the 1949 Act makes an important alteration in the law. The tenant is no longer to be bound in such cases to pay the inflated rent: provided he applies to the Tribunal he is entitled to get his rent reduced to whatever the Tribunal considers, in all circumstances to be reasonable.

It should be observed that, under the Rent Acts, a landlord may be entitled to charge a higher rent than the standard amount. Certain increases are permitted, such as increases on the grounds of increased rates or of expenditure on improvements to the property. The Tribunal, in fixing the reasonable rent, takes all such factors into account. Where, therefore, the landlord has lawfully been charging any such amounts in excess of the standard rent, the amount of the increases will be deductible from the reason-

able rent of the premises; the balance after deduction represents the standard rent, though, of course, the tenant is liable to pay the whole of the reasonable rent as fixed by the Tribunal (including, of course, any such increases).

But it may be that, on the occasion of the first letting of the premises, the landlord charged a premium. Under the previous Acts that would, of course, have been quite lawful if the tenancy granted was for a term of fourteen years or more. The new Act provides for such a case. If a premium was charged, the appropriate portion of the premium is usually deductible by the tenant from the amount of the reasonable rent. The right of deduction, however, is only exercisable by the tenant so long as the landlord has not sold the property at some time before March 25, 1949. If the landlord who took the premium has sold the property before that date, the tenant cannot make, in respect of the premium, any deduction from the reasonable rent, which now becomes payable to the new landlord; but he becomes entitled to recover a proportionate part of the premium from the ex-landlord who sold the property before March 25, 1949. How then, is it possible to determine the amount of deduction the tenant is entitled to make, in respect of premium, from the reasonable rent? The calculation appears to be more complicated than it really is. All that is necessary is to spread the premium over the whole period of the original tenancy. For this purpose, if the tenancy was for a period of seven years or more, the actual period that was, in fact, granted, is taken; in other circumstances, such as for quarterly or monthly tenancies, it is necessary to assume that the term has been granted for a period of seven years. Having thus ascertained the term and spread the premium equally over it, one can then determine what proportion of the premium is related to each rent period of the tenancy, i.e., each quarter or month at which rent is payable. Thus, if the tenancy was for sixteen years and the premium was £1,600, the spread-over of the premium would work out at £100 a year or £8 6s. 8d. a month. If, therefore, the reasonable rent of the premises has been

fixed by the Tribunal at, say, £15 a month, the tenant is due to pay, for the rest of the period, only £15 less £8 6s. 8d. that is £6 13s. 4d. monthly.

World Health Programme

THE second World Health Assembly, held in Rome recently, decided that the World Health Organisation should set up an expert committee on penicillin, streptomycin and similar drugs. The Assembly committee unanimously approved principles for new world sanitary regulations drawn up by W.H.O., and expected to come into force in 1951, which aim at maximum security against the spread of disease. The regulations are expected to be ready for approval by the Third World Assembly in 1950. Their basic principle will be the elimination of epidemics at their source rather than the erection of quarantine barriers. W.H.O. is to spend \$114.345 during 1950 in fighting contagious and infectious diseases ranging from smallpox and yellow fever to whooping cough and measles. The programme provides for expert groups to study the most effective means of obtaining universal vaccination against smallpox (a disease which in 1044 is estimated to have caused 216,000 deaths in India alone); a conference of infantile paralysis experts to study means of checking the spread of the disease; and a campaign against trachoma, believed to affect 1 per cent. of the population in Egypt.

A PHARMACIST'S ANTHOLOGY

IN the Dublin hospitals as they were in my boyhood, microbes were called animalculæ; but nothing was known of the characteristic uniforms; and the suspicion that they were connected with disease did not go beyond such tales as one told me by my father, of a man, who, suffering from toothache, kept his mouth open above the fumes of henbane, whereupon a multitude of suffocated animalculæ dropped out and the toothache ceased. Surgeons operated in their oldest coats and held the smaller instruments conveniently between their lips; for they had to work very quickly before anæsthetics were discovered. And nothing untoward happened most of the time.—From "Everybody's Politics: What's What" by Bernard Shaw.

MEETING OF SCOTTISH EXECUTIVE

a meeting of the Executive of the Scottish Department of the Pharmaceutical Society held in Edinburgh on July 13, Mr.

W. MACFARLANE (vice-chairman), who presided, referred to the loss sustained by Scottish pharmacy in the death of Dr. Joseph Tait. Dr. Tait's ready humour and kindly manner, he said, had gained him many friends, and it was a matter of regret that his retirement had been of such short duration. MESSRS. A. MURRAY, A. MELDRUM and J. ANDERSON added their tributes to Dr. Tait.

New Members

THE CHAIRMAN then welcomed four new members of the Executive (Messrs. S. HUGHAN, Glasgow, J. C. MICHIE, Nairn, J. SKINNER, Stirling, and R. S. WHITELAW, Struthers) and expressed the thanks of the Executive to the retiring members (Messrs. G. T. LAMB, Edinburgh, T. NEILSON, Perth, J. H. TAINSH, Edinburgh, and T. THOMAS, Kelso).

New Chairman and Vice-chairman

Mr. C. W. Macfarlane, Dundee, was unanimously elected *Chairman*, and Mr. B. Gilmour, Glasgow, *Vice-chairman*. The resident secretary was asked to convey to Mr. C. G. Drummond the Executive's great appreciation of his valuable services during two years as chairman. It was agreed that the Parliamentary Committee, which had not had occasion to meet for some time, should be discontinued, and that a Public Services Committee, to deal with parliamentary matters affecting the practice of pharmacy and with professional problems arising out of the National Health Service, should be instituted. The Committees were appointed as follows:—General Purposes (to attend business arising between meetings of the Executive): The chairman (convener) and vice-chairman, and Messrs. Anderson, Coutts, Drummond, Hughan and Murray. Nomination of Examiners (to consider questions submitted and report to Executive): The chairman (convener) and vice-chairman, and Messrs. Anderson, W. H. Culbert and Meldrum. Education (to deal with questions regarding education, examinations, registration, and approval of training institutions): The chairman and vice-chairman, and Messrs. Connel, Meldrum (convener), Michie, Simpson and Skinner. Public Services (to deal

with parliamentary matters affecting the practice of pharmacy, and with professional problems arising out of the National Health Service): The chairman (convener) and vice-chairman, and Messrs. Anderson, Bennett, Coutts, Drummond, Meldrum and Skinner.

THE RESIDENT SECRETARY said that the annual meeting, held on June 15, had been attended by about 100 members, including official representatives of the various branches in Scotland. Mr. A. A. Meldrum had opened a discussion on "The Problem of the Unqualified Dispenser in Pharmacy," to which a number of members had contributed their views. He (Dr. McCall) had reported at the annual meeting that the subcommittee appointed to go into the position of Branch Organisation in Scotland had recommended forming a Central Scottish Branch, with Stirling as its headquarters, and a South-west Scottish Branch, to include the counties of Ayr, Dumfries, Kirkcudbright and Wigtown. The desirability of forming another branch for the county of Glasgow had not yet been fully explored. After further consideration the subcommittee would submit to the Scottish Executive a report on branch organisation. Mr. F. W. M. Bennett had given a detailed account of the work of the Standing Committee in connection with the National Health Service.

Memorandum on Health Centres

A memorandum on health centres was reported received from the Department of Health, which had asked for comments on proposals relating to the provision of pharmaceutical services in the centres. It was agreed to remit the matter for consideration to the Public Services Committee, which would report back to the Executive.

THE RESIDENT SECRETARY said that the hospitals were losing pharmacists to retail practice, which was offering better remuneration. The matter was serious and was being explored as part of the whole manpower question. The draft syllabuses for the examination to replace the Chemist and Druggist Qualifying examination would shortly be submitted to the Education Committee of the Society's Council.

Lanark Firm's Outing.—The staff of J. & D. Hilton, Chemists, Lanark, were guests of the firm on an outing to Killiecrankie recently.

PHARMACEUTICAL SOCIETY OF IRELAND

July Council Meeting

MR. P. A. BRADY (president) was in the chair at a meeting of the Council of the Pharmaceutical Society of Ireland held in Dublin on July 12. Also present were Messrs. T. C. Scott (vice-president), J. Gleeson, P. C. Cahill, G. C. O'Neill, A. Toher, M. Costello, P. Brooke-Kelly, T. B. O'Sullivan, H. P. Corrigan, J. P. Kissane, C. J. Cremen, P. F. McGrath, M. Power, Senator F. Loughman and Mr. J. A. O'Rourke. Apologies for absence were received from Messrs. R. Daly, C. D. O'Shea and N. A. McKane.

A letter from the secretary of the Minister for Health stated that it was intended to transfer to the Minister for Health in the near future the ministerial functions in relation to the Pharmacy Acts. If an agreement between the Pharmaceutical Society of Ireland and the druggists' organisation were to be forwarded, the Department would be prepared to consider it with a view to implementing proposals it contained. A further letter stated that the question of receiving a deputation from the Pharmaceutical Society of Ireland was receiving attention. Both letters were noted.

A letter from Mrs. A. Meagher, Ballsbridge, Dublin (widow of the late Mr. F. X. Meagher), thanked the president and members of the Council for a vote of sympathy passed at the June meeting.

Displaced Persons

A communication from the secretary-general of the International Pharmaceutical Federation appealed for assistance for displaced persons with pharmaceutical training. In view of the regulations on the admission of aliens it was felt that it would be difficult to accede to the representations made in the letter.

The Council appointed a rota of its members to act as visitors for the July Licence and Assistants' examinations. Mr. C. H. Williams, L.P.S.I., wrote notifying his removal to c/o The Pharmacy, Shelburne Co-operative Society, Campile, co. Wexford.

The report of the Certificates and Declarations Committee, which was approved, stated that ninety-eight candidates were presenting themselves for the July Licence examination, and forty-three for the Assistants' examination. The examiner to

the Registered Druggists' examination reported that Mr. Thomas O'Hanlon, Co. the only candidate who presented himself had passed. The reports of the House, Lab and Schools Committee were submitted and approved.

Welfare of Young Students

Arising out of the Education Committee's report (see p. 118) the following motion was formally adopted: "That report of the Education Committee adopted; that the Minister for Health requested to implement the Society's scheme for regularising of pharmaceutical qualifications and training of future pharmacists. That the seal of the Society be affixed." SENATOR LOUGHMAN said that the proposed new scheme would bring to Dublin young people of seventeen years of age and take them away from parental control. He thought it might be better to allow young people around that age to spend a year of their apprenticeship in pharmacy before bringing them to Dublin to do their first year's course. THE PRESIDENT pointed out that the same question arose in the case of young medical students and students at the universities. MR. McGRATH thought most of the people coming to take pharmacy courses in Dublin would be older than seventeen. MR. CREMEN said the Society had certain responsibilities towards such young people. The universities they were looked after by means of residence. MR. O'NEILL said he was concerned at the absence of parental control over young people at that age. It was true that the conditions of a boy doing pharmacy were not comparable to those of a boy attending a university, who had much more free time. MR. POWER foresaw that some students, after completing their first year's course in Dublin, might not get placed as apprentices for perhaps a year or two. He thought it would be better if the student could be assured of a place to start his apprenticeship when he finished his first year's course.

MR. KISSANE said he was sure the Council would step in if that position arose and try to find a place for the student. MR. O'NEILL thought such a situation was unlikely to arise. MR. O'ROURKE urged that apprentices should be prevented from serving in several pharmacies during their apprenticeship. The three-year apprentice

should be served throughout with the pharmacist. Mr. POWER said that there could be no such changing if an apprentice were properly indentured.

THE PRESIDENT said that when the same had been under consideration Mr. Power had thought it hard that students would be obliged to take all their course at the College of Pharmacy, but the Committee had felt that, since the Society was responsible for the training and examining the students, all the lectures should be given at the Society's College. The original resolution was then passed.

New Council Member Co-opted

THE PRESIDENT, putting forward the name of Mr. John J. Roche to fill the vacancy on the Council created by the death of the late Mr. F. X. Meagher, said it had been the custom so far as possible

to co-opt someone with the same interests as the person being replaced. Mr. Roche represented the same interests as the late Mr. Meagher, of whom he had been a close friend. They had been closely allied in pharmaceutical matters, and Mr. Roche was an experienced chemist who had served on the Council some



Mr. J. J. Roche

years ago. Mr. Roche had been a member of the Society from the time he qualified, and would, the president was sure, be of great help in the Council's deliberations.

MR. SCOTT, seconding, said he had known Mr. Roche for many years as a valued member of the committee of the Irish Drug Association, of which he was now the president. He was an excellent speaker. MR. KISSANE said he had worked with Mr. Roche on the Joint Committee and agreed that he would be a valuable addition to the Council. The motion to co-opt Mr. Roche was carried unanimously.

Changes in the Register

The licence certificates of the following were signed and sealed: the Misses Bridget E. Brady, Margaret M. McGuinness

and Edna C. Tormey, and Messrs. James E. McLaughlin, John O'Connor and Patrick M. Quinn. The following were elected members of the Society: the Misses Niamh M. Kennedy and Ellen Ryan, and Messrs. C. O. Greene, J. Harnett, Michael Moloney, John Roche and Henry N. Scroope. The following were nominated for membership: Miss Margaret McGuinness, L.P.S.I., Castlebar, co. Mayo, and Messrs. Patrick Quinn, L.P.S.I., Foxford, co. Mayo, Edward P. Hughes, L.P.S.I., Armagh, Gerard M. O'Neill, L.P.S.I., Galway, James E. McLaughlin, L.P.S.I., Carndonagh, co. Donegal, and George A. P. Wright, L.P.S.I., East Horsley, Surrey, England.

Licences Under 1908 Act

At question time, MR. POWER said the Limerick Chemists' Association had held a meeting to consider the Council's recent circular on the 1908 Act. The Association was of the opinion that it was the responsibility of the Society to initiate talks with the local authorities regarding the issue of licences under the Act. The Society should first communicate with the county managers, pointing out their objections to the Act, and this should be followed up by a delegation from the local pharmaceutical associations calling on the county manager and discussing the matter more fully. SENATOR LOUGHMAN said that where reasonable facilities were provided by local chemists the county manager could refuse to issue any more licences under the Act. MR. KISSANE said that representations to the local authorities in North Tipperary to curtail the issue of the licences had had good results. MR. CREMEN suggested the matter should be tackled county by county, starting with Limerick. The Council agreed and directed that a letter should be sent to the Limerick county manager, the letter, on Mr. Power's suggestion, to be followed up by a visit from the local association. MR. POWER said copies of the letters from the Society to the county managers should be sent to the local associations.

MR. BROOKE-KELLY said that Wexford was in much the same position as Limerick and he suggested a similar letter be sent to the Wexford county manager. THE REGISTRAR (Mr. James G. Coleman) said he had already communicated with the secretary of the Wexford Chemists' Association and was awaiting a reply.

DUBLIN FORMULATES NEW PROGRAMME OF PHARMACEUTICAL EDUCATION

THE text has just been released of a proposed new pharmaceutical education scheme formulated by the Education Committee (which consists of the entire Council) of the Pharmaceutical Society of Ireland. Under the proposed scheme, which is to be submitted for Ministerial approval, the registered druggist qualification is to disappear and special provision is to be made to enable existing registered druggists, or chemists and druggists, to sit for a special examination after passing which they will be given the designation "dispensing chemist-and-druggist." Existing apprentices to registered druggists are to be enabled to proceed to the qualification of pharmaceutical chemist.

Important changes are proposed in the existing mode of pharmaceutical education. The existing part-time lecture system is to be abolished, and, instead, students registering after a specified date must do a full academic year, to be known as the science course, in the Society's college. At the conclusion of the science course the student must pass a First Professional examination. A three-year apprenticeship is then entered upon at the completion of which the student will do a second year (to be known as the pharmacy course) at college, following which the Second Professional (or Final) examination is taken.

Special Memorandum

A special memorandum on the proposed new scheme says:—"The members of the Education Committee, after careful examination of previous reports, examiners' reports and other factors, have come to the conclusion that the low standard of candidates at examinations is primarily due to the part-time lecture system. A student cannot be expected to have powers of concentration at lectures after a day's work in a pharmacy, and he is further handicapped by lack of time to study his lecture notes, or even write them up properly in a notebook. While admitting that very many students have succeeded in passing the Licence examination under these conditions, records show that the average age of such candidates is higher than it should be. Conversely, students who have attended day lectures have been more consistently successful in getting through the Licence examination at the first attempt. The

existing system was designed at a time when a student learned most of his craft in a pharmacy. The modern need for thorough grasp of pharmaceutical chemistry has shifted the emphasis away from traditional pharmacy, and a student who wishes to keep abreast of current developments requires a better scientific foundation and requires more time for his studies. In drafting their report, the members of the Education Committee have kept in mind the difficulties of enforcing what might be described as an ideal course; they consider the following curriculum the best compromise.

Entrance Requirements

"Entrants to pharmacy must have the Preliminary examination and the Society's pre-registration examination, or its equivalent. Preliminary regulations are therefore to remain unchanged, and a student whose name is placed on the preliminary register is to be known as a registered student. A registered student must devote a full academic year in the Society's College to the study of pharmaceutical and general chemistry, botany, zoology, and elementary forensic pharmacy. This course is to be known as the science course. To gain credit for the science course a student must pass term examinations and an examination at the conclusion of the course to be known as the First Professional examination. A student who is unsuccessful in the First Professional examination may enter for a supplemental examination, but no student is to be permitted to enter for more than two supplemental examinations (except that in extenuating circumstances the Council may grant permission for one further examination). A student who is successful in the First Professional examination may then commence his apprenticeship and must serve a term of three years.

Upon completion of his term of apprenticeship a student is eligible for the second college year, to be known as the pharmacy course, the subjects of which are to be:—(i) Practical pharmacy, theory of pharmacy and materia medica (section I); (ii) forensic pharmacy (section II). A student who has passed his term examinations completes his pharmacy course by passing the Second Professional (Final) examination. On passing both sections of the Second Professional examination a

candidate is eligible for registration as a pharmaceutical chemist. A student who fails the Second Professional examination may enter after six months for a supplemental examination. A student who passes one section will be given credit for that section provided he passes in the other section within nineteen months; otherwise he will be obliged to take both again.

The existing Licence examination will be retained for six years for the benefit of students registered before the specified date. It is to be divided into two parts:—Part I: Chemistry, botany, materia medica and zoology; Part II: practical pharmacy, theory of pharmacy and poison law. Candidates who have failed the Licence examination, or a part thereof, will, at the expiration of six years, be eligible to enter for the First and/or Second Professional examination and will not be required to serve a further period of apprenticeship.

Registered Druggists

As from a date to be specified, the Pharmaceutical Society of Ireland is to cease to provide examinations for candidates who wish to be registered as registered druggists. Every person who, on the first day of June 1949, has served, or is in the course of serving, a *bona fide* apprenticeship that would have entitled him to enter for the Registered Druggist examination is to be granted registration in the preliminary register of the Society, and must comply with the regulations applicable to registered students whose names are entered on the preliminary register before the change; provided that every person whose apprenticeship has been thus served must serve a further term of two years as apprentice to a pharmaceutical chemist before entering for Part I of the Licence examination.

Every registered druggist and chemist and druggist, whose name is on the register of registered druggists and chemist and druggists on the agreed date is, with the sole exception of the right to take apprentices, to continue to exercise the rights, privileges, duties and responsibilities conferred previously by the Pharmacy Act, 1875, Amendment Act 1890. Every registered druggist and chemist and druggist whose name is on the register of registered druggists, and chemist and druggists, on the fixed day is, on passing a special examination (see below), to be entitled to registration as a dispensing chemist-and-druggist. The Society is to provide

special examinations in practical pharmacy and the theory of pharmacy at which applicants for registration as dispensing chemist and druggists may present themselves. Special examinations will be held at intervals of six months for a period limited to three years. Candidates who, having entered for such examinations within the prescribed period, have failed to pass, will be provided with two further examinations within the period of twelve months after the expiry of the three years, after which no further special examinations are to be held.

"Dispensing Chemist-and-Druggist"

The title dispensing chemist-and-druggist is to be reserved and protected for persons registered as such upon the same conditions as the title pharmaceutical chemist is for pharmaceutical chemists provided that the four words "dispensing chemist-and-druggist" are always exhibited in letters of the same size and description.

No change is contemplated in the requirements to be observed by candidates entering for the examination for the qualification of assistant to a pharmaceutical chemist, who are registered before the specified date. Candidates registered on and after the change may enter for the Assistants' examination at the conclusion of the three-year term of apprenticeship, i.e., they will not be required to attend the pharmacy course before entering for the Assistants' examination.

Statistics show that the average time taken by a student to register as a pharmaceutical chemist is slightly less than seven years. Under the new regulations a student stands a reasonable chance of qualifying within five years. One of the disadvantages of the present system of apprenticeship, coupled with part-time lectures, is the attraction of Dublin for students anxious to get credit for attendance at lectures. Under the new scheme a student may remain in the provinces for three years while serving his apprenticeship and will not be at a disadvantage compared with the student who elects to serve his term of apprenticeship in Dublin.

The Council invites the views of members throughout the country. Every suggestion received is to be carefully considered. Members should endeavour to convey their opinions without delay so as to enable the Council to embody suggestions in the draft.

SOLVENTS FROM GAS OIL: A NEW BRITISH PLAN

By opening recently at Stanlow, Ches, a £4-million chemical solvents plant, Shell Chemicals, Ltd., have taken an important step forward for this country in the production of chemicals from petroleum. The new plant will have an annual production of some 24,000 tons of various types of solvents, and will make use of advanced techniques developed by the Shell group of companies in Europe and the United States since the early 1930's. The chemical solvents produced are in competition in certain industrial fields with those derived from other sources, but it is claimed that they have technical advantages.

Previous Sources

Up to the present, most of Britain's organic chemicals have been manufactured either from indigenous coal by distillation, or from imported molasses or other carbohydrates by fermentation processes. The supply has been augmented by direct imports of finished products—both natural and synthetic—from hard-currency areas. These, though severely restricted, have been imported from the United States in sufficient quantities to stimulate interest in their potential use in British industry. In fact, a considerable market for ketonic and alcoholic solvents, extractants and intermediates has been built up in Britain. The establishment of a similar industry within the sterling area would satisfy the increasing demands for such chemicals, and would also save imports, either of the raw materials or the finished products, from hard-currency areas—particularly if related to future refinery operations providing appropriate starting materials from normal refining processes. Several plants are nearing completion in Britain, but one of the first to go into production is the Shell plant at Stanlow. Its situation near the Thornton Research Centre will facilitate continuous study of the technical problems involved in developing new chemicals and in utilising them to the best advantage in many different British industries.

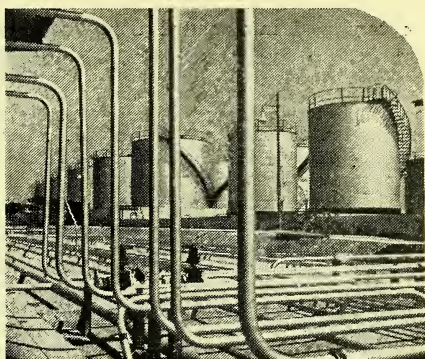
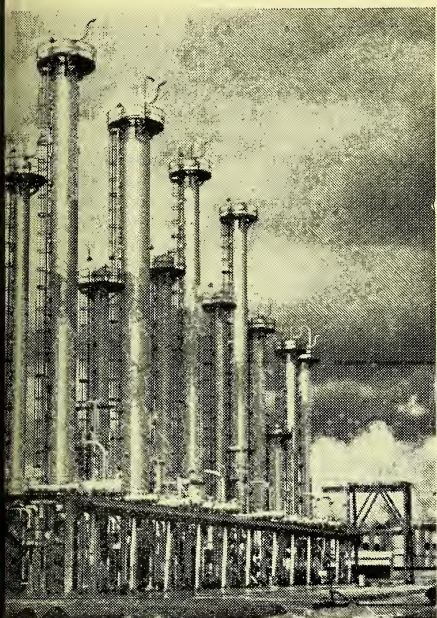
The plant consists essentially of a thermal "cracker"—with units designed to deal with the "cracked" products by fractionation, hydrogenation, polymerisation, synthesis and distillation—together with reactors and converters. Operation is continuous and productivity per worker will be among the highest

in any industry in Britain. The basic raw material for the plant is gas oil which is "cracked" under controlled conditions of high temperature and low pressure to give a high yield of hydrocarbons containing three and four carbon atoms. The fractions include a high proportion of the olefines propylene (C_3 stream) and butylene (C_4 stream) which when separated, form the raw materials for the manufacture of the solvents and other chemicals now being produced at Stanlow. A new refinery at present under construction alongside the existing plant is designed to refine $2\frac{1}{2}$ million tons a year of crude oil from non-dollar sources, and will, when complete, provide the olefins for the chemical plant without the necessity for special cracking. Complete integration of refining operations and chemical manufacture, as already achieved in America, will thus be possible.

The C_3 fraction treated contains propane and propylene only. It is allowed to react with sulphuric acid, in which the propylene is absorbed to form alkyl ester, whilst the unattacked propane is separated and used as fuel. The alkyl esters are hydrolysed with water for the production of isopropyl alcohol, which is separated from the acid by stripping with steam and purified by distillation. The C_4 fraction contains, in addition to butane, normal butylene and isobutylene, other products that are removed from it by chemical treatment. The mixture is extracted with cold sulphuric acid, which absorbs the isobutylene but leaves untouched the normal butylene or butane. Treatment with acid leads to the formation of alkyl sulphates, from which secondary butyl alcohol is obtained by hydrolysis and distillation.

Dehydrogenation Products

By heating to high temperatures under controlled conditions and in specially designed equipment, the alcohols are dehydrogenated to give the corresponding ketones, together with hydrogen in a high state of purity suitable for hydrogenation reactions. Isopropyl alcohol on dehydrogenation yields acetone, and secondary butyl alcohol yields methyl ethyl ketone. Both products are purified by distillation processes. Under suitable conditions, acetone may be converted into diacetone alcohol which, in its turn, can

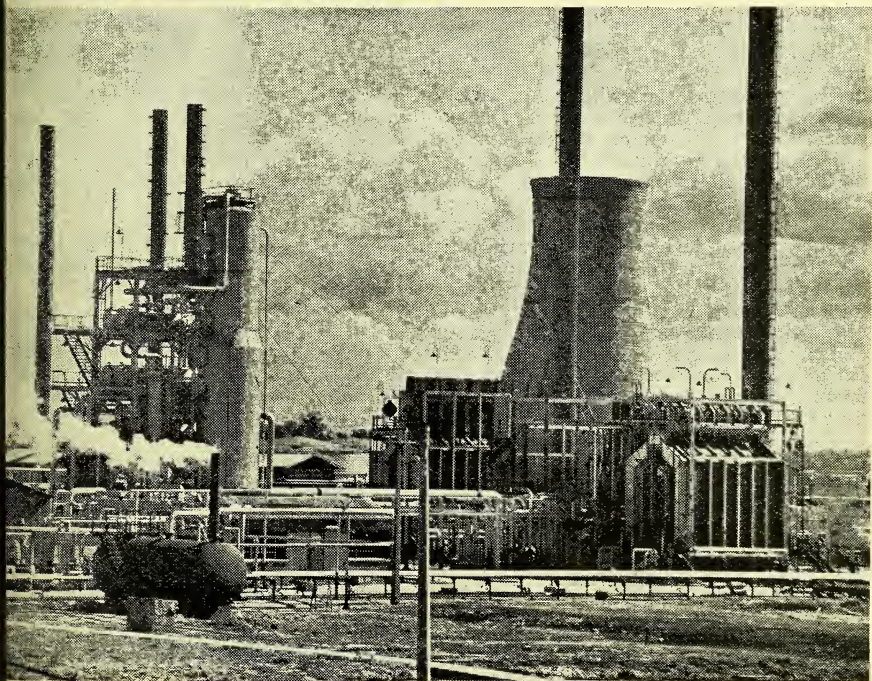


CHEMICALS FROM PETROLEUM: THE PLANT AT STANLOW

Above: Part of the tank farm, where final and intermediate products are stored.

Left: Distillation unit.

Below: Cracking unit and converters, with cooling tower in background.



be converted into methyl isobutyl ketone via mesityl oxide. All are purified by distillation. The company's chemical engineers have brought the complicated and difficult processes of separation and distillation to a high degree of perfection, making possible the production of solvents of minimum 99 per cent. purity.

The range of solvents at present being produced at Stanlow is:—From propylene: Isopropyl alcohol, isopropyl ether, acetone, diacetone alcohol, mesityl oxide and methyl isobutyl ketone. From butylene: Secondary butyl alcohol and methyl ethyl ketone.

Chemical products from petroleum may eventually be made at the works, that should make possible many new processes and advance the chemical

industry in general in this country. In the United States during 1948 some 2½ million tons of primary synthetic organic chemicals were produced from petroleum, representing about one third of all the primary synthetic organic chemicals manufactured in that country. The new Stanlow plant will not only embody the industrial diversification that has become a feature of U.K. economic policy since 1931, but will enable U.K. resources to be deployed so that exports to the dollar area are at a maximum. At present U.K. imports of solvents from the United States represent a considerable outlay. The Stanlow plant was intended primarily to meet the domestic demand, but it is expected that a part of the production will be available for export.

SOCIETY OF CHEMICAL INDUSTRY

At the annual meeting of the Society of Chemical Industry held in Manchester, July 1-15, the Society's medal was presented to DR. FOSTER DEE SNELL, whose address was entitled "Detergents and Detergency." After drawing attention to the innumerable uses of detergents, Dr. Snell said the expression "inter-face chemistry" might be happier than "surface chemistry," and detergency might be visualised as a variety of emulsification. The production of detergents from petroleum or gaseous olefines had progressed enormously as a result of the world-wide fat shortage, and in less than ten years production had reached a level of from 10 per cent. to 20 per cent. that of soap. An absolute measurement of detergency was still required. In a comparison of the value of dispersing power for solid particles, synthetic detergents gave values of the order of 10, whilst soap had a value of 50 or more; in this connection synthetic detergents compared less favourably with soap. Some difficulty had arisen from the effect on the skin of detergent solutions. The skin was ordinarily protected and kept soft by an oily secretion of the sebaceous glands, but became dry and rough on frequent contact with a detergent solution. Theoretically, it was possible to visualise a polar-non-polar structure which would be selectively absorbed by the skin from a detergent solution, and a cleaner having such a property had been found for use with metals. It was a general rule that, except for soap, anion-active agents were more effective in hard

water than in soft, up to a limit of salt concentration (depending on the agent) which was usually quite high. Liquid silicates had proved particularly effective soap builders. In some countries, the amount used approaches 3 lb. per head as compared with 20 and 25 lb. of detergents. For many years the trend in soap manufacture had been to offer the hardest possible bar, but present tendency was to produce a more readily soluble soap. One method was by vigorous agitation of molten soap to disperse air in it, which resulted in the production of a bar of soap which would float. Another development was the incorporation in detergent products of colourless substances, substantive on cotton, which fluoresced blue when exposed to ultra-violet light, to obviate the need of blueing of linen.

A paper on "The Technical Development of Fermentation Processes" was given by MR. H. S. CORRAN, B.A., Ph.D. (The Distillers Co. (Biochemicals), Ltd.). The fundamental aim was the selection of a high-yielding strain of the fermenting organism, and the maintenance of the strain in a stable condition. Original strains must be sought in natural sources, but considerable increases in yield could usually be obtained either by suitable culture methods or by inducing mutations. Processes of two sorts could be distinguished; those in which the product arose by a nearly quantitative conversion from carbohydrate (e.g., citric acid), and those in which no such relatively simple transformation occurs (e.g. vitamins).

CORRESPONDENCE

Surgical Dressings Packs

SIR,— May I, through your columns, ask makers and packers of surgical dressings (particularly of sanitary towels) to give consideration to putting up their products so as to stand ordinary handling. Surgical goods should not be packed in paper of microscopic thickness, nor is it any use pleading paper shortage in excuse, since the trouble dates back to the time when there was no paper problem. Recently I have had reels of ribbon gauze delivered with no wrapping whatever, sanitary towels bursting open, cotton wool packed in paper that would not even bear touching let alone handling. Those responsible should go to America and learn how to pack such products hygienically.

G. T. CULME.

Kingston-on-Thames.

Shop Address Slips

SIR,—I should like to put forward for your consideration of your readers a suggestion that the size and shape of shop address slip labels should be standardised and that manufacturers should provide a suitable space on the label or carton of products on which the use of address labels is obligatory. At present a suitable space is not always available, and the pharmacist may have to obscure a portion of the text and thus, perhaps inadvertently cause annoyance or inconvenience to the customer. The difficulty often arises with small packs. It is appreciated that many manufacturers already do leave an appropriate space and include the words "Please fix your shop address label here." The practice is to be commended as it serves as a useful reminder to the pharmacist and guide to the junior assistant who is often concerned with stock maintenance. If the shape and size of shop-address labels were standardised, it might be possible for a pharmacist to purchase his requirements through some central body, with consequent economic advantage.

Loughborough.

N. T. CARTER.

Claim for Recognition

SIR,—I would like to comment on the "Problem of the Unqualified Dispenser" (*J. & D.*, July 9, p. 45). Holders of the certificate of the Society of Apothecaries object to being classified as unqualified. They hold a statutory qualification, embodied

in the Apothecaries' Act of 1815 (this is a fact that cannot be side-tracked). The qualification was in existence before the Pharmaceutical Society was founded. In those days the apothecary was the doctor, and his assistant did the doctor's dispensing (not as "assistant to a pharmacist"—the apothecary's dispenser was, in effect, the pharmacist). We claim to be qualified in dispensing and should be granted full rights as such. A precedent has been established. In the past a number of "Hall" dispensers were put on the Pharmaceutical Society's register, but we have lacked a trade union to put our case forward. The higher qualifications in pharmacy are necessary in the fields of manufacturing, research, teaching and pharmaceutical literature, but in my view are wasted in the retail shop, except in the few shops holding a licence under the Therapeutic Substances Act, 1925.

HALL CERT.

Financing a Gift Scheme

SIR,—London and home counties chemists received circulars by the first post today, announcing that the London evening newspapers of the same day would feature a coupon gift scheme of a "home-perm" outfit. The circular proceeded to detail "What you have to do," not "What we would wish you to do." What you have to do is (1) give the customer a refill free; (2) check that she has written her full name and address; (3) send the coupons to the firm, in return for which your refills will be replaced for you to sell. Nowhere is one penny profit made out of the transaction; in fact no offer is even made to defray the cost of posting back the coupons. Generously, however, replaced stocks are sent without charge. As the offer is to continue throughout July, there are still three weeks in which London and home county chemists can demonstrate how they regard such methods of trading by declining to have anything to do with the coupons. In these days of high costs, it is a fair argument that firms that have gifts to make can afford to bring down the costs to the public. Some unity of action is called for amongst the brotherhood of pharmacists in the home counties, and pharmacists in the remaining counties should take warning of a scheme that is likely to be extended to them.

Hampton Wick. E. NEVILLE BROWNE.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grades.

28 Essex Street, W.C.2, July 20

DESPITE an increase in inquiries for dollar articles, business in CRUDE DRUGS has continued slow and few price movements have occurred. San Salvador PERU BALSAM has been sold at 4s. 6d. per lb., duty paid, while TOLU BALSAM on spot is now 9s. per lb. with July-August shipment offered at 8s. 6d., c.i.f. BENZOIN is firmer on spot. Slightly lower prices are quoted for BUCHU. It is understood that business has been done in CASCARA SAGRADA mature bark at 180s., duty paid. American PODOPHYLLUM selling prices are higher. Old-crop SENEGA may be bought at 6s. 3d. on the spot; July-August shipment is quoted at 5s. 6d., c.i.f., but business has been done at slightly under this figure. Although demand is only moderate, the Sudan market for GUM ACACIA is firm and shipment quotations have increased. In WAXES, few offers are being made of CANDELILLA and the market is firmer. There are no supplies of chalky-grey CARNAUBA. In the SPICE markets, Zanzibar CLOVES are dearer for shipment as a result of the "sudden death" disease which has seriously affected the crop. GINGER prices have increased. CHILLIES are scarce. The only price changes noted in PHARMACEUTICAL and FINE CHEMICAL markets has been a reduction of one penny per lb. in CALAMINE, and alterations in ZINC OXIDE prices. Few movements have taken place in ESSENTIAL OILS. CASSIA OIL is scarce and spot quotations are now at 15s. 6d. per lb. Ceylon CITRONELLA is firm and a price of 8s. 6d. is indicated for Java on spot, but there is an absence of firm offers. Singapore PATCHOULI is offered at 36s., c.i.f. It is understood that, although the dock strike has held up some shipments, the effect on the markets, generally, has been slight.

U.S. Drug and Chemical Report New York, July 15

COMPETITIVE conditions in PENICILLIN have brought about a reduction in prices. SODIUM PENICILLIN now costs 15 cents per 100,000-unit vial compared with 22 cents previously, while PROCAINE PENICILLIN for aqueous injection is \$4.50 per 100-c.c. vial against \$6.00 previously. Similar cuts have been made in all other grades. α -TOCOPHEROL has been reduced from \$600 to \$450 per kilo. MENTHOL has declined to \$10.65 per lb., on the spot; it is reported that the Japanese crop, which will be ready in the autumn, will be a good one. Buying remains light in the CRUDE DRUGS market and price movements were fewer during the past week. Representa-

tives of certain foreign shippers state that local dealers are showing virtually no interest in offerings. However, they add that there is a greater tendency to refuse lower prices offered. New-crop SENEGA has been reduced in price to \$1.35 per lb. It is understood that new-crop HYDRASTIS will not be ready until later in the season and it is felt that declining prices may tend to discourage collection. Medicinal CUCURBIT OIL is 20 cents cheaper at \$2.25 per gallon. The ESSENTIAL OILS market has been without feature over the past few days. There are reports that CITRONELE and various other oils, including LEMONGRASS, are being quoted firmly for shipment from abroad, in view of a good demand from various countries. Flavour oils are meeting with a fairly substantial inquiry but those used in the soap trade are attracting few buyers. SANDALWOOD has been reduced from \$13.50 to \$13 per lb., CHENOPodium from \$3.50 to \$3 per lb., and PIMENTO LEAF from \$1.45 to \$1.40.

Pharmaceutical Chemicals

ADRENALINE.—B.P. is quoted from 3s. 3s. 6d. per gm. for natural and 2s. 2s. 6d. for synthetic; racemic, 2s. per gm. *p*-AMINO BENZOIC ACID. — Makers' prices are from 35s. to 38s. 6d. per lb. T SODIUM SALT is 37s. 6d. to 41s. per lb. good demand.

AMMONIUM CHLORIDE, B.P. — Steadily. Makers quote 1-cwt. lots at 9½d. per lb.

ASPIRIN.—Home-trade price for POWDER is 3s. 5½d. per lb. in 10-cwt. lots at 3s. 7d. per lb. in 1-cwt. lots. Scheduled rates per lb. for quantities of 28 lb. and under 1 cwt. are: 4s. 6d. (1-lb. containers 4s. 5d. (2-lb.); 4s. 4½d. (4-lb.); 4s. 3½d. (7-lb.); 4s. 3d. (14-lb.); 4s. 2d. (28-lb.) Net one month. Rates per 1,000 for bulk supplies of TABLETS are: Under 5,000 3s. 9d.; 5,000 and over, 3s. 7d.; 10,000 3s. 6d.; 25,000, 3s. 4d.; 50,000, 3s. 3d.; 100,000, 3s. 2d.; 250,000, 3s. 1½d.; 500,000, 3s. 1d.; 1,000,000, 3s.

BARBITONE. — Quotations are from 41s. 6d. to 43s. 3d. per lb.; the SODIUM derivative is offered at from 42s. 6d. to 43s. 3d.

BENZYL BENZOATE. — British makers offer B.P. grade at from 4s. 3d. to 5s. per lb., as to quantity.

BETANAPHTHOL.—Makers quote prices from 2s. 9½d. to 3s. 1½d. for B.P. quality packed in 28-lb. packages.

CALAMINE.—Prices are one penny per lb. cheaper. 1-cwt. lots are quoted at 1s. 7½d. per lb.

CALCIFEROL.—1 kilo is quoted at 7s. 6d. gm.; 500 gm., 7s. 7d. per gm.; 100 gm., 8d.; less than 100 gm., 7s. 9d. Supplied ampoules of capacity 5 gm. or more.

CHLOROPHYLL.—Pharmaceutical quality offered at 60s. per lb.; soapmakers' grade available at 17s. 6d. per lb.

GLYCERIN, B.P. — Prices are steady. Current rates per cwt. are as follows:—

Contracts for spot lots of	Under 1 cwt.	1 cwt. and under 2½ cwt.	2½ cwt. and under 5 cwt.	5 cwt. and under 10 cwt.	10 cwt. and under 20 cwt.
Minimum deliveries off contract of	—	1 cwt.	1 cwt.	1 cwt.	2 cwt.
s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
b. ...	156 6	152 0	151 0	148 0	147 0
b. ...	153 6	149 0	148 6	145 6	144 6
b. ...	150 6	147 0	146 0	143 0	142 0
ums:	—	—	—	—	—
wt. ...	—	136 0	135 0	132 0	131 0
wt. ...	—	—	133 0	130 0	129 0
wt. ...	—	—	—	129 6	128 6
wt. ...	—	—	—	—	128 0

on and under 5 tons (minimum deliveries off contract of 5 cwt.), 14-lb. tins, 6s.; 28-lb., 140s. 6d.; 56-lb., 138s. 6d.; 10-cwt., 124s. 5 ton and upwards (minimum deliveries off contract of wt. drums, 127s.; 2½-cwt., 125s.; 5-cwt., 11b., 136s. 6d.; 1-cwt. drums, 125s. 6d.; 2s. 6d. Extra charges are levied for cwt.), 14-lb. tins, 141s. 6d.; 28-lb., 139s.; smaller deliveries, ex contract, from 6d. to 1s. per cwt., according to quantity. Refined pale straw industrial glycerin is 5s. per cwt. less than chemically pure. Terms: carriage and delivery paid. A discount of 1 per cent. is deducted if paid in one month, or on buyers' regular monthly payment in the month following delivery; afterwards net. Tins and cases free (not returnable). Drums loaned and invoiced at current rates and credited in full if returned within four months, carriage forward and in good condition.

PHENOBARBITONE.—Steady. Current quotations for 28-lb. lots are at 36s. 6d. per lb., and for 1-cwt., 35s. The SODIUM derivative is available at the same price as the base.

PYROGALLIC ACID. — Quotations for CRYSTALS are: 1 cwt., 18s. 6d. per lb.; 28-lb., 19s.; 28 lb., 20s. RESUBLIMED is 3s. 3d. per lb. in 1-cwt. lots; 56-lb., 3s. 9d.; other quantities in proportion.

ZINC OXIDE.—Controlled minimum prices of commercial grades from July 20 are:—d Seal, £61 2s. 6d.; green seal, 2 12s. 6d.; white seal, £63 12s. 6d., net, delivered in U.K., in ply paper bags. B.P. grade is now £72 2s. 6d. per ton (2-ton s.).

Crude Drugs

ALOE.—Prime Cape is offered at 110s. to 115s. per cwt. on the spot; shipment, 102s. 6d., c.i.f. Curaçao is quoted at from 180s. to 185s. per cwt. on the spot, and Socotrine at 170s.

ASAFETIDA. — Quitt. Persian block on spot is offering at prices from £14 10s. to £24 per cwt., according to grade.

BALSAMS.—Canada on the spot is steady at from 14s. 6d. per lb. for old-crop material. Pará *Copaiba*, B.P., 5s. 9d. per lb., on the spot. San Salvador *Peru*, business done at 4s. 6d. per lb., duty paid. *Tolu* is quoted at 9s. 0d. per lb., spot; July-August, 8s. 6d., c.i.f.

BENZON.—Sumatra block, on the spot, is offered at from £16 10s. to £17 10s. per cwt.; shipment, £16 c.i.f. Siam block (small almonds), £118 per cwt., spot.

BUCHU. — New-crop short rounds, spot, 3s. 7d. to 3s. 9d. per lb., as to quality; forward, 3s. 5d. per lb., c.i.f.

CALABAR BEANS.—Steady. Spot quotations are from 10½d. to 11d. per lb.

CAMPHOR.—Chinese, tablets are offered at from 7s. 6d. (¼-oz.) to 8s. (¼-oz.) per lb.; refined natural powder (B.P.), 6s. 3d. to 6s. 6d.; slabs (2½-lb.), 7s. 3d., spot. London, duty paid. English synthetic powder, B.P., is quoted at 5s. per lb., and technical at 3s. 9d. per lb., in 100-lb. lots.

CAPSICUMS.—African on spot is offered at 95s. to 140s. per cwt., as to quality.

CASCARA SAGRADA.—A good inquiry received; business reported in mature bark at 180s. per cwt., duty paid. U.S. new-crop quoted at 26 cents, c.i.f.

CASCARILLA. — Quills are quoted at 1s. 5d. and siftings at 1s. 3d. per lb. spot.

CASSIA PODS (*C. fistula*).—East Indian is quoted at from 62s. 6d. to 65s. per cwt., ex wharf London.

CHERRY BARK.—Thin natural is steady at 1s. 4½d. per lb., duty paid, ex store.

CHILLIES.—Mombasa is valued at 155s. per cwt., spot; Sierra Leone and Nigerian, nominal.

COCHINEAL.—Silver greys on spot are quoted at 4s. 2d. per lb.; blacks, 4s. 9d.

COLCHICUM. — Corins on the spot are offered at from 5s. to 6s. per lb., as to test; seeds are offered at 13s. per lb., ex wharf.

COLOCYNTH.—White pulp (B.P.) on spot is quoted at 2s. per lb.; to arrive, 1s. 9d., landed.

DIGITALIS. — English leaves, from 2s. 3d. per lb.; powder, B.P., 5s. 9d.

DRAGONS BLOOD.—Singapore reboiled No. 1, £65 per cwt., spot; No. 2, £50 per cwt.; No. 3, £35, ex warehouse London.

ELEMI.—Quiet. Manila No. 1 gum is quoted at 1s. 11d. per lb., spot London.

GALANGAL.—Supplies in bond are offering at 97s. 6d. per cwt.

GALLS.—Steady. Persian blues quoted on spot at 260s. per cwt.

GAMBOGE.—Siam pipe is offered at £45 per cwt., duty paid; powder, 11s. per lb.

GENTIAN.—French natural is quoted at 67s. 6d. to 70s. per cwt., on the spot.

GINGER.—African on spot is valued at 182s. 6d. per cwt.; July-August shipment, buyers at 180s., c.i.f. Jamaican No. 1, 197s. 6d. per cwt., spot; No. 2, 195s., value; No 3, to arrive July-August, 185s., c.i.f.

GUAIACUM RESIN.—Steady. Quoted from 2s. 4½d. to 2s. 6d. per lb., spot.

GUM ACACIA. — Kordofan cleaned sorts, on the spot, is firm at 64s. 6d. per cwt.; shipment, 61s. 6d., c.i.f. Bleached No. 1, 125s., spot; to arrive, 115s., c.i.f. Talha, on spot, 45s. per cwt.; shipment, 42s. per cwt., c.i.f.

HENBANE.—B.P. herb (*niger*) on spot, 4s. 3d. per lb. Egyptian (*muticus*) at origin is quoted at 95s. per cwt., c.i.f.

HENNA.—Sudanese leaves are offered at 85s. to 90s. per cwt., spot; at origin, 85s. per cwt., c.i.f. Indian leaves on spot, 80s. per cwt.; July-August, 65s., c.i.f.; powder, 1s. 5d. per lb., spot.

HONEY.—Prices are unchanged. Agreed rates per cwt. for honey for manufacturing purposes, are as follows: In original packings for quantities of 10 cwt. or more, 96s.; less than 10 cwt., 105s., net, carriage paid. Refined repacked honey is available at the following rates per cwt.: In 7-14 lb. tins, 145s.; 28-lb. tins, 130s.; 56-lb. tins, 120s., carriage paid, subject to wholesale discount of 8½ per cent.

IPECACUANHA.—A firm market. Nicaraguan, October-November shipment, quoted at 21s. 6d. to 22s. per lb., c.i.f.; spot quotations are maintained at 23s. to 24s. per lb. as to test. Colombian is quoted at 20s. per lb., spot; shipment, 19s., c.i.f.

JABORANDI.—Leaves are offered at from 75s. per cwt.

JALAP.—Vera Cruz, spot, 2s. 6d. to 3s. per lb. as to test, (10 to 15 per cent. resin). Brazilian (13 per cent.), 1s. 6d. quoted.

KAMALA.—Quoted at 2s. 3d. per lb., spot.

KARAYA.—Steady. No. 1 gum on spot is quoted at 215s.; to arrive, 205s., c.i.f. No. 2, 180s. per cwt., spot.

KINO.—Indian gum is offering on the spot at 6s. 9d. per lb.

KOLA NUTS. — African quarters, 6d. per lb.; halves from 2d. to 2½d. Jamaican washed halves, 3d. per lb.

LANOLIN.—B.P. anhydrous is £120 per ton; hydrous £90. Superfine anhydrous is quoted at £126 per ton.

LIQUORICE.—Anatolian natural root is quoted at from 38s. to 45s. per cwt.; i cut lengths, 80s.; Russian, from 47s. 10d. Italian block is offered at 160s. per cwt. stick is quoted at from 240s. to 475s. according to grade. Turkish block is from 135s. to 189s. per cwt.; stick, 250s. British block is quoted at 195s. per cwt.

MACE.—West Indian blade is quoted at 6s. per lb. on the spot; prices of picking are from 2s. to 4s. 6d., as to quality.

MALE FERN.—A parcel on spot (3.02 per cent. filicin) is offering at 65s. per cwt.

MASTIC.—Small tears (No. 2) are offered at from 13s. per lb., spot.

MERCURY.—Ex warehouse, £18s. 10s. per flask: shipment, £17 17s. 6d., c.i.f. U.K.

MYRRH.—Aden sorts on the spot are offered at £12 per cwt., siftings are quoted at £6 10s. to £7 per cwt.

NUX VOMICA.—Cochin on spot is quoted from 36s. per cwt.: at origin, quotations for washed and garbled material are at 30s., c.i.f. Mangalore is 34s. per cwt., spot.

OLIBANUM.—Steady. Fair drop is offered at 150s., peas at 190s., fair garblings, 125s., and siftings at 80s. per cwt.

ORANGE PEEL. — Thin-cut Tripoli is offered at 1s. 3d. per lb., duty paid; bitter quarters, 1s. 3d. per lb., duty paid, buyers

ORRIS.—Florentine root on the spot is offered at 115s. per cwt.

PAPAIN.—East African, on the spot, is offered at 13s. per lb.; Ceylon brown quoted at 10s. per lb., spot.

PIMENTO.—Spot quotations are at from 1s. 2d. per lb.; to arrive, 119s. per cwt. c.i.f.

PODOPHYLLUM. — Indian (*emodi*) is offered at from 310s. to 315s. per cwt., ex wharf, as to resin content; American (*peltatum*), 275s. to 280s. per cwt., duty paid.

PSYLLIUM SEED.—French black is quoted at 2s. per lb., duty paid; Indian (ispaghula), 120s. per cwt., spot.

QUASSIA.—Chips on the spot are quoted at from 30s. to 35s. per cwt.

QUILLAIA.—Supplies are low. Natural bark on the spot is offering at 95s. per cwt.; cut bark, 125s. per cwt.; no offer of crushed bark.

QUINCE SEED. — Cape on the spot is steady at 3s. 6d. per lb.

RHUBARB. — Chinese common round, on the spot, is quoted at from 5s. 6d. to 5s. 9d., duty paid, according to fracture and holder.

SENEGA. — Spot quotations for old-crop are at 6s. 3d. per lb.; new-crop, July-August shipment, is offered at 5s. 6d. c.i.f.

SENNA.—Tinnevely leaves, spot, No. 1, m 9d. to 11d. per lb.; No. 2, l. to 8d.; No. 3, 6d. per lb.; Tinnevely ls. hand-picked, 9d. to 1s. 5d.; manufacturing, 5d. to 6d. Alexandrian pods hand-picked, spot, from 4s. 9d. to 5s. 9d. per nominal; medium grades are 3s. to 4s.; manufacturing, from 1s. to 1s. 9d. per lb. Alexandrian leaves, f.a.q., 1s. 2d. per lb.

SHELLAC.—F.O.T.N., pure, is quoted at 0s. per cwt. ex warehouse London; F.O. standard 1, 350s., buyers; fine orange, 0s. to 410s. per cwt.

WAXES.—A steady market is reported by BEES'. Dar-es-Salaam is 335s. per cwt., spot; July-August, 330s., c.i.f. Sudanese, bond, 310s.; for shipment, 290s. per t., c.i.f. Lindi, 330s. per cwt., spot; July-August, 322s. 6d., c.i.f. Benguela is 5s. per cwt. in bond and 325s. duty paid; for shipment, 275s., c.i.f. CANDELILLA.—A parcel on spot is offered at 310s. per cwt.; August delivery, 295s. CARNAUBA.—Prime low is 685s. per cwt., spot; shipment, 0s., c.i.f. Fatty grey is dearer on spot at 0s. per cwt.; July-August shipment, 0s., c.i.f. No offers of chalky grey. **ONTAN.**—Reibek is offering at 190s. per t., spot; shipment, 180s., c.i.f. **OURICURI.** 99.5 per cent. pure is quoted at 420s. per cwt., c.i.f. A parcel of 3.4 per cent. purities is offered at 435s., spot. **SPERCETI.**—Offered at 2s. 5d. per lb., spot.

Essential and Expressed Oils

ANISE.—Quotations for Chinese Star on spot are from 5s. 9d. per lb. in drums, and from 6s. per lb. in tins in cases.

CASSIA.—Prices are in the region of 5s. 6d. to 16s.; for shipment, 13s. per lb., f., quoted.

CINNAMON.—Steady. B.P. oil, 50s. to 6s. per lb. Bark oil is offered at 12s. per lb. Leaf oil, on the spot, 7s. to 8s. per lb. to quantity.

CITRONELLA.—Ceylon on the spot is quoted at from 4s. 9d. per lb., July-August, f., c.i.f.; Java, 8s. 6d., spot, indicated.

CLOVE.—Steady. Quotations for English-distilled bud oil are at from 10s. 3d. to 11s. per lb., according to quantity; imported oil offered at from 5s. 6d. to 7s.

LEMONGRASS.—Spot quotations are 61. to 9s. per lb.; July-August shipment, 7s. 11d. to 8s., c.i.f.

LIME.—West Indian on spot is firm at from 38s. 6d. per lb.

MUSTARD.—Synthetic is priced at from 5s. 6d. to 14s. 6d. per lb., as to packing.

PATCHOULI.—Singapore is quoted at 36s. per lb., c.i.f.; small supplies only on spot from 37s. 6d. per lb.

SANDALWOOD.—Mysore oil on spot, from 66s. to 73s. per lb.; English-distilled about 75s. per lb.; West Indian, from 6s.

HERB CROP REPORTS

Duncan, Flockhart & Co., Ltd.—The prolonged spell of dry weather has had an adverse effect on most of the crops and the prospects are, accordingly, below average. **ACONITE.**—An average crop is anticipated. **BELLADONNA.**—This season's plants show a lack of uniformity in growth and harvest may reach average. **DIGITALIS.**—A reduced area is under cultivation with average crop expected. **HENBANE.**—Prolonged drought has retarded growth and average yield will be doubtful. **STRAMONIUM.**—This crop has been unexpectedly poor and borders on being a failure. **VALERIAN.**—The excellent results obtained last year have not been maintained and only an average yield is anticipated.

Botanical Drugs, Ltd.—The mild winter favoured early growth and quick crop formation of most of the hardy- and semi-hardy perennials, no damage having occurred from frosts. The subsequent dry weather of late spring encouraged the early ripening of herbs with some reduction in leaf weight, but noticeable absence of impurities such as fungi, dust and weed-growth. **PARSLEY.**—A very clean crop, early ripening with moderate weight, and a tendency to woodiness. Oil development is notably well advanced. Re-growth from early cutting is likely to be quite moderate. The excessive weight in leaf crop of 1948-49 has not been repeated. **MINTS.**—Growth is well advanced and very clean. Absence of severe rust disease. Early rains should promote a good aftermath for autumn reaping. Crop weights of **MARJORAM**, **BALM**, **SAGE**, etc., are normal to rather light, with oils pungent and well developed. Woodiness is apparent with advanced ripening, but early rains may promote a satisfactory autumn crop. An average crop is expected of **ROSEMARY**, **VALERIAN** and **ELATERIUM**.

Non-Ferrous Metals.—In view of changes in the American market, increases are announced in Ministry of Supply prices, as follows:—**LEAD.**—From July 17, the price of good soft pig lead is £81 per ton, delivered. **ZINC.**—From July 20, good ordinary brand metal is £60 15s. per ton, delivered. Discounts, premiums and additional charges on orders booked for delivery subsequent to the month of order are unchanged. Prices are those ruling on the date the order is posted and not on the date the order is received at the Non-Ferrous Metals Directorate, Rugby.

TRADE MARKS

(From the "Trade Marks Journal,"
July 6)

For bacteriostatic sulphone compounds (5).—"DIASONE"; by Abbott Laboratories, North Chicago; 655,159.

For pharmaceutical preparations (5).—"VITASSIUM"; by Associated Preparations, Ltd., Twickenham; 670,215. "BARBURAL"; by Amber Pharmaceuticals, Ltd., London, S.W.1; 671,777. "MAURE"; by Afkaps, Ltd., Maidstone; 674,633. "WARROSED"; by Warrick Brothers, Ltd., London, N.1; 674,955. "LINTOID"; by J. M. Loweridge, Ltd., Southampton; 675,344. "FOLIFER" and "FOLINORM"; by Wallace (Pharmaceutical Products), Ltd., London, N.W.3; 675,588-89.

For medicated confectionery (5).—"ZIFFS"; by Jasco, Ltd., London, W.C.2; B672,859.

For all goods (5).—"TYROSCABE"; by Sharp & Dohme, Ltd., Hoddesdon; 674,297.

For medicated toilet paper (5).—"ACME"; by Peter Keevil & Sons, Ltd., London, W.2; 675,346.

For scientific instruments (9).—"CAMFLEX"; by Andre Coutant and Jacques Mathot, Paris; 666,163.

For sterilising apparatus (10).—"SURQUALATIC" and "DENTAMATIC"; by Surgical Equipment Supplies, Ltd., London, W.3; 671,957 and 672,424.

For all goods (10).—"ZUBES"; by F. W. Hampshire & Co., Ltd., Derby; 673,494.

For non-medicated toilet paper (16).—"ACME"; by Peter Keevil & Sons, Ltd., London, W.2; 675,347.

For detergents (3).—"JADDO"; by Hope, Hartope & Co., Ltd., London, W.6; 670,891.

For hair preparations (3).—"OMATONE"; by Clemmel, Ltd., Matlock Bath; 675,521.

(From the "Trade Marks Journal,"
July 13).

For industrial adhesives (1).—"NABL"; by North British Adhesives, Ltd., Edinburgh; B671,916.

For cosmetics (other than toilet preparations) (3).—"ISLAND TAN"; by L. Leichner (London), Ltd., London, S.W.2; B670,426.

For all goods (3).—"NİLODO"; by Harry Aaron Cook, Harrow; 668,625.

TRADE LITERATURE

ALLEN & HANBURYS, LTD., London, have prepared a brightly illustrated 4-page folder on Fel-evac standardised fatty meal for cholecystography.

ALUMINIUM WIRE & CABLE CO., LTD., 10 Buckingham Place, Westminster, London, S.W.1, have published a 16-page brochure, free to applicants, on the use of aluminium and aluminium alloy wire and cable for industrial purposes, including non-corrodible screens and baskets.

BOXFOLDIA, LTD., Bournbrook, Birmingham, 29, have produced a 28-page spiral-bound illustrated report of packaging conferences organised by the company in London, Birmingham and Manchester on various dates in 1948.

As a companion to their catalogue of fine chemicals (see *C. & D.*, 1948.II.205) A. BOAKE, ROBERTS & CO., LTD., Carpenters Road, London, E.15, have issued a flexible-backed catalogue of solvents, plasticisers and metallic soaps that is as much a work of reference as a price list, since it includes notes on the physical properties and uses of the compound listed. The loose-leaf character of the book enables it to be augmented from time to time, and a section on resins is already planned.

"New Research in Antibiotics" is the theme of the spring number of "Research Today," a publication issued three times a year by ELI LILLY & Co., Indianapolis 6, Indiana, U.S.A.

New issues in the series of medical booklets published by MAY & BAKER, LTD., Dagenham, Essex, deal with Flaxedil curarising agent and Phenergan promethazine hydrochloride. The company's booklet on Soluseptasine and Soluthiazole, and on Cyclonal sodium, have been reprinted.

"Plant Products in the Service of Man" is the title of a 36-page two-colour booklet on art paper, with numerous diagrammatic illustrations, issued in connection with the NATIONAL GARDENS SHOW to be held at Olympia, London, July 27 to August 5.

SHARP & DOHME, LTD., West Hill Laboratories, Hoddesdon, Herts, have published a new "Vade Mecum of Therapeutics and Products." The booklet gives information on the company's products and includes a section of medical data (chemical components of blood; normal values for constituents of urine; thermometric equivalents, etc.) Applications for copies should be made to the Home Sales Division of the company.

In the choice of an Analgesic 'CODALGIN'

TRADE MARK

*has a Perfectly Balanced Formula
and the BAYER quality behind it*

WHY is 'Codalgin' better? Its carefully balanced formula makes pain-relief quick, safe and prolonged. There are no by-effects. The packing is hygienic and attractive, and the four-tablet block is useful for pocket and handbag.

These trade terms are worth noting :

Discount of 33 $\frac{1}{3}$ %

Bonus of 14 to the dozen on orders of 6 dozen cartons of 20 in exchange for display.

Purchasing under these terms shows a profit of 9d. on each packet sold.



*'Codalgin' is retailed at 20 @ 1/9d.,
bottles of 100 @ 7/6d. P. Tax extra.*

BAYER PRODUCTS LIMITED
AFRICA HOUSE, KINGSWAY, LONDON, W.C.2 (HOL. 8730)

Liquid Paraffin White Oils and Petroleum Jellies

Further information, samples and quotations on request to Dept. P.A.1.

PUREMOR LTD

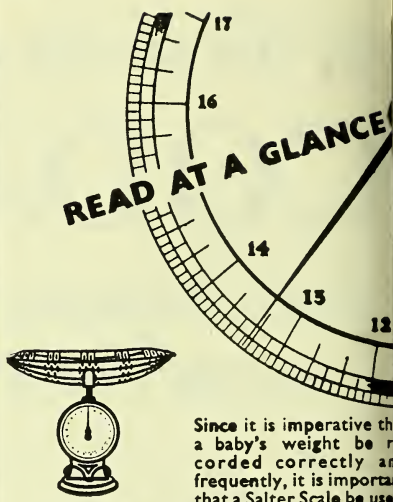
Distributors for

**MANCHESTER
OIL REFINERY
LIMITED**

M.O.R GROUP OF COMPANIES

Twining Road, Trafford Park
Manchester 17

BRITISH REFINED OILS



Since it is imperative that a baby's weight be recorded correctly and frequently, it is important that a Salter Scale be used.

SALTER
baby weighers

GEO. SALTER & CO. LTD., WEST BROMWICH



N.V. SOCIETEIT VOOR
CHEMISCHE INDUSTRIE

"KATWIJK"

KATWIJK - AAN - ZEE
HOLLAND

Producers of:

CAFFEINE AND SALTS

CYCLOBARBITONE (ACID & CALCIUM SALT)

THEOBROMINE AND SALTS

PENTAMETHYLENETETRAZOL
(Syn. LEPTAZOL B.P.)

DIPHANTOINE (DIPHENYLHYDANTOINE
PURE, SODIUM AND CALCIUM

London Agents:

GREYER, BRECHEISEN & Co., Ltd.
BUSH LANE HOUSE, CANNON STREET
LONDON, E.C.4.

Telephone: MAN 9030

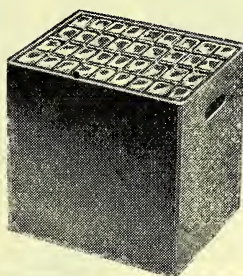
"National" Dispensing Bottles

are Strong, Serviceable and Sure-selling

NEATLY PACKED IN 6 DOZ.
RETURNABLE CARTONS

- ★ CONVENIENT IN SIZE
- ★ EASY TO HANDLE
- ★ UNIFORM IN QUALITY

SCREW CAPS SUPPLIED IN
WHITE-ENAMELLED METAL




Vials

of "NATIONAL" quality

Ranging in size $\frac{1}{2}$ oz. up to 3 oz.
Plain or teaspoon graduations
Medium and tall types.

MANUFACTURED IN BEST QUALITY
WHITE FLINT, AND PACKED IN
RETURNABLE CARTONS

TRADE  MARK

National Glass Works (York) Ltd.

Works: FISHERGATE, YORK
Telephone: York 3021

London Office: 105 HATTON GARDEN, E.C.1
Telephone: Holborn 2146

WHOLESALE ONLY

AMBER

fine

CHEMICALS

BARBITONE
BARBITONE SODIUM
BUTOBARBITONE
CYCLOBARBITONE
PHENOBARBITONE
PHENOBARBITONE
SODIUM
AMINOPHYLLINE



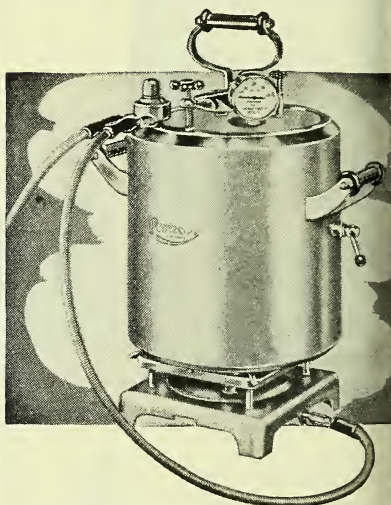
AMBER PHARMACEUTICALS LTD.

MANUFACTURERS OF FINE CHEMICALS AND PHARMACEUTICAL PRODUCTS

BYRON HOUSE, 7-9, ST. JAMES'S STREET
LONDON, S.W.1.

PENTECON • PENTECON • PENTECON • PENTECON

the advantages of the **PENTECON** Autoclave



THERMOSTATIC CONTROL

The thermostat, independent of the pressure factor, is the most accurate means of obtaining a consistent temperature. Designed for use over a gas ring or portable burner, it is constantly in control, and allows initial adjustment to suit the requirements.

Made from a special formula aluminium, the 'Pentecon' is light and handy to move about. The lid design provides a steam-tight joint which cannot be opened under pressure.

To use saturated steam, allowing operation at a lower pressure in relation to temperature, an Air Blow-off Valve is fitted. A Pressure Regulator Valve whistles when the required temperature is reached.

The temperature of a liquid in an open vessel within the 'Pentecon' can be checked by previously inserting a chemical thermometer through a gland in the lid.

CAPACITY—11" x 10½". Contents approx. 2 pints or seven 20 oz., or M.R.C. Standard Blood Bottles.

The 'Pentecon' is economical in price and operating costs. Price (excluding gas ring and flexible tubing, which are not supplied) **£16.16.0**

A fully descriptive leaflet will be sent, post free, on request to Dept. 3, Pentecon, Ltd., Accrington. Please mention the name and address of your normal supplier.

PENTECON LTD. ACCRINGTON



PHARMACEUTICAL CHEMICALS
ALKALOIDS • DRUGS • OILS

★

Manufacturers of

ENZAMINE & SALTS
CUPFERRON
ETHYL ACETANILID
THEOPHYLLINE & SALTS

BULK & PACKED
IMPORT & EXPORT

IUFFER & SMITH LTD
WHOLESALE & MANUFACTURING CHEMISTS
CROYDON, ENGLAND

Telephone: THORNTON HEATH 4266-7

Telegrams:

IAHU, CROYDON SANTONINIC CROYDON

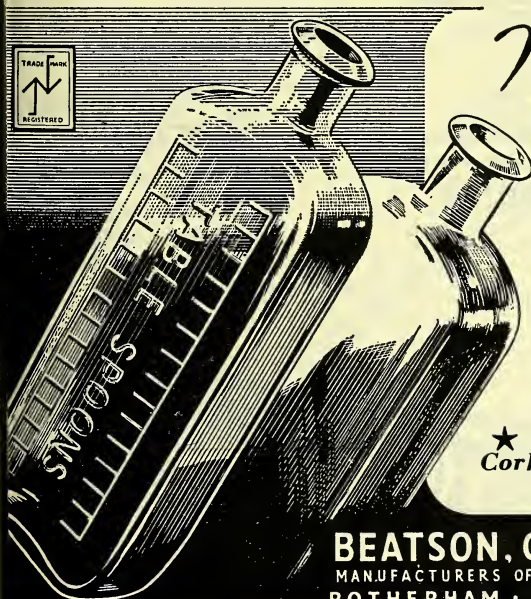
CRUDE DRUGS

BROME & SCHIMMER

WHOLESALE DRUGGISTS

BOTANICAL DRUG IMPORTERS AND SPICE MERCHANTS. DRUG AND SPICE MILLERS

7 LEATHER MARKET, LONDON, S.E.1



The BEATSON MEDICAL

A bottle of quality. The retention of the vial lip for easy pouring is combined with all the advantages of modern design, including the elimination of internal sharp corners allowing rapid dispersal of sediment.

★ *Plain or Graduated
Cork Mouth or Screw Capped*

BEATSON, CLARK & CO. LTD
MANUFACTURERS OF CHEMICAL AND MEDICAL GLASS
ROTHERHAM • Established 1751 • YORKS.



BC. 68



Essential Oils

Almond . Aniseed . Bay
Cassia . Cedarwood . Clove
Eucalyptus . 70/75 and 80/85
Geranium . Juniperberry
Lavender . Lavender Spike
Lemon . Lemongrass
Orange . Origanum
Pennyroyal . Peppermint
Rosemary . Sassafras . Thyme

Trade Inquiries Invited

"IMMORTELLE"

PERFUME COMPOUNDS

LODGE, ROBIN, LIMITED
Laleham-on-Thames, Middlessex
Tel./Grams: Staines 3698

FOR ALL TYPES OF PHOTOGRAPHIC WORK

Developing and Printing Service
to Photographic Dealers and
Chemists, including Commercial
and Industrial Photography,
write for particulars to our
Oxford Works Manager and
arrange a first class service for
this Season.

WILL R. ROSE LT
20, ST. EBBES STREET
OXFORD

TRANSPARENT BAGS FLAT BOTTOM and GUSSET PLAIN and PRINTED

Please send your enquiries to :

F. W. CROOKES & SONS LTD.
Wharnccliffe Works, Green Lane, Sheffield
who have now installed the MOST MODERN MANUFACTURING PLANT for TRANSPARENT BAG MAKING

MOSANS PESSARIES

15/- per doz. boxes
any wholesaler

Stock and Se



Infra-Red and Ultra-Violet
Ray Therapy Appliances.

PERIHEL LIMITED
17 EDGE STREET • LONDON • W.8 Phone PARK

Ask for

W. MELLOR & CO.
(Mossley Ltd.)

SANITARY

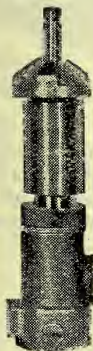


TOWELS

UNA MILL MOS
LANCS.

... the all Wool Towel

DESIGNED BY SPECIALISTS ADELPHI BOTTLE WASHER



WILL
LVE YOUR
TTLE-
ASHING
BLEM

OMPT
LIVERY

- Simple Action.
- Thorough Cleansing.
- Complete Emptying.
- Wide range, any type of bottle.
- Sprinkler necks can be washed at the rate of 400 per hour.

CONNECT TO ANY
MAINS SUPPLY TAP.
NO SKILL NEEDED

SOLE MAKERS ALSO OF
THE ADELPHI AUTO FILLER, POWDER BLENDER AND
OINTMENT MILL

DELPHI Manufacturing Co., Ltd.
(Dept. A.4.)

3A CITY ROAD, LONDON
E.C.1

(D)

THE
"MATER"
CLINICAL TSGO.
The position of the Mercury column is at once
readily plain. Red markings above zero.

**ALL TYPES OF
CLINICAL
AND OTHER
THERMOMETERS**

PERKEN, SON & CO. LTD.
(ESTABLISHED 1852)
8 HATTON GARDEN
LONDON, E.C.1
Telephone: 0724 Holborn
Telegrams:
"Optimus, Smith, London"
Wholesale Agents for Clinical
Thermometers:
FASSETT & JOHNSON, LTD.
86 Clerkenwell Rd. London, E.C.1

Countless
Mothers
are
saying—



... that's what I want!...



... a harmless preparation that saves labour... no boiling, no scrubbing or tubbing, will deodorise and wash nappies overnight... that won't harm my baby or my "wash"...

Keep me a carton every week!

—AND THAT'S WHY

NAPPI·WITE
REGD.

PILES UP PROFITS!

Get to-day for supplies to NAPPI-WITE LTD., 17 CONDUIT ST., LONDON, W.1

There are general
trade terms and
retail supplies.
Active display
and the back-
of powerful
advertising.

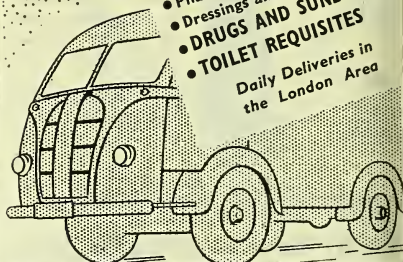
CRASH!share the success
of this amazing
FLY SPRAY**NATIONALLY
ADVERTISED****A WINNING NAME****IMMEDIATE ACTION**

Crash Fly Spray is in demand! Its proven deadly effect on flies and insects, whilst harmless to children and pets, has created an enormous public demand! This year it is to be advertised for the first time in leading national dailies and the Radio Times. Make sure you are carrying stock to meet the demand.

Also CRASH POWDER, packed in sprinkle topped drums. For home and pet use; a persistent and certain killer of Ants, Cockroaches, Clothes Moths, etc.,

9d. or 2/- sizes*Write for details of very attractive terms***ORDER TODAY**
**BELL &
SONS LTD**
SILVERDALE
WORKS
LIVERPOOL 13
COMPLETE STOCKS*Personal
Attention*
 Phone, Write or
Call for

- PROPRIETY GOODS
 - Pharmaceutical Preparations
 - Dressings and Cotton Wools
 - DRUGS AND SUNDRIES
 - TOILET REQUISITES
- Daily Deliveries in
the London Area


SIDNICK & CO., LTD
11-12, FINSBURY SQUARE, LONDON, E.C.2
Telephone: MONARCH 5642/3
**What every Housewife wants**
6d.
PKT.

An entirely new scientific product.
washing woollens and precious garments
QUICK SALES — GOOD TALK
Write for full size sample packet
personal trial.

Made by **O. M. SEMAN LTD**
LADY MARGARET WORKS, SOUTHALL, MIDDLESEX



G R A F T O N films

An entirely new name in the sphere of quality films. A new base, a new emulsion. Panchromatic; anti-halation backed; 28 Sch. Please do not confuse our product with re-rolls or adaptations.

To provide proof of our claims we will supply sample dozen lots upon receipt of 26/6d. or with tax declaration, 15/6d.

This offer is open to recognised dealers and chemists only with a guarantee to refund cash if not satisfied.

SIX EXPOSURES

Price '20' sizes £9 6s. od. per gross plus tax £6 12s. od.

Price '127' sizes £7 16s. od. per gross plus tax £5 12s. od.

Terms:—Cash with order, pro forma invoice or C.O.D.

We regret to announce that we are unable, at the moment, to accept any new customers for our D. & P. service.

Enquiries to:

JONES & BAILEY LTD

66/72 BREWERY ROAD, LONDON, N.7

Telephone: NORTH 2533

Telegrams: Certito, Holway, London

NDIA imports huge quantities of drugs, fine chemicals, pharmaceuticals, cosmetics, sundries. To each importers, forg. mfrs. representatives and Indian manufacturers (also Pakistan, Ceylon) advertise in CHEMIST & DRUGSTORE NEWS.

Copy, details free,
31 Hamam St., Bombay, I

KNOW YOUR COSTS

Why be worried with staff and overheads when you can send your products to us for packing.

Output can be increased or decreased to suit prevailing markets, therefore, you are not committed to hold large stocks or staff and your overheads are cut to a minimum

Let us quote you

T. J. FAVELL & CO. LTD.

192 Seven Sisters Road, London, N.4

ARChway 1846

OUR LATEST PRODUCTION

'NORVEX SYLK' SAN TOWELS

(REGD.)

In Knitted Covers

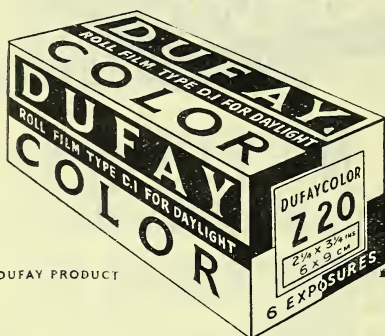
"SOFT AS SILK" ALL WOOL

SOLD BY CHEMISTS ONLY

CROSSKILLS OF NORWICH

Phone :
20954

There's a stronger pull
in **COLOUR** . . .



A DUFAY PRODUCT

Be sure your customers know . . . **any camera** will take Dufaycolor pictures. It's used the same way as ordinary film and is just as easy. You'll be asked for Dufaycolor again and again this summer—be ready for it! Make a prominent show of your Display material.

PICTURE IT IN

DUFAYCOLOR!

MAKE SURE OF YOUR STOCKS

DUFAY-CHROMEX LTD., 14/16 COCKSPUR ST., LONDON, S.W.1.

TEL: WHITEHALL



**C. Olley
& Sons Ltd.**
EST. 1844

**CORKS,
STOPPERS,
ETC.**

Telephone

Royal 4922/3

**CAMPERDOWN STREET
LONDON · E.1**

**IF YOU HAVE
RATS
GIVE
THEM A
BISCUIT.**

. . . but make sure it's a **VEXTERM RAT BISCUIT**, notharmful to pets, human beings or farm-yard stock, but death to rats and mice. Clean, safe and easy to handle. From Chemists, Ironmongers and Stores everywhere. Price 1/6 & 5/9



VEXTERM

**READY-BAITED
RAT BISCUITS**

Agriculture and Fisheries Licence No. 10184

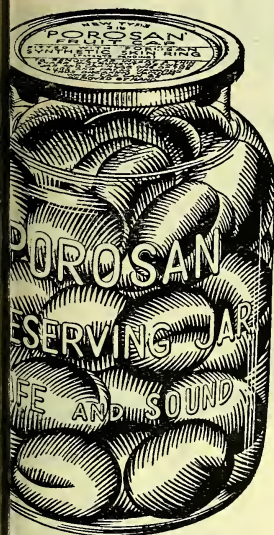
Manufactured by

BRITISH RODENT EXTERMINATOR CO. LTD.
PRATTS BOTTOM · FARNBOROUGH

Phone: FARNBOROUGH 849

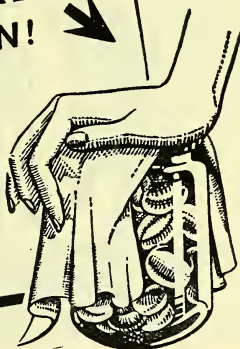
Food needs are Great

POROSAN SALES SOARING



**PALM PRESSURE
MOULDS CAP ON!** ➔

Thanks to the
**UNIQUE
POROSAN
RING!**



Thanks to the unique POROSAN Ring, which enables mere palm pressure to effect a perfect seal, the new POROSAN Jar is already in great demand. Fruit bottlers will appreciate its one-piece closure, the wide mouth for easy packing, and its sturdy "stack-em-up" shape. Stocks of all POROSAN lines are now available, but **ORDER EARLY** to ensure supplies in good time for the season. Attractive Sales Aids are available on application.

prices :

size 7/6; 2-lb. size 9/6;
size 12/6 per dozen.

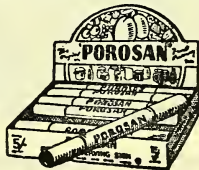
POROSAN

and Rings for 1-lb. and
jam jars or for replace-
ment purposes for POROSAN
caps and rings 3/- per
rings only, 1/- per doz.



POROSAN

Preserving Skin for odd jars.
Improved, thicker and better
than ever before. Made in rolls
sufficient for 6 and 18 jars at
2/- and 5/- per roll respectively.



Distributors to Chemists

M A W, S O N & S O N S, L T D

D. Box 54 BARNET, ALDERSGATE HOUSE, BARNET, HERTS.

Marketed by POROSAN LTD. 4-5 WARWICK COURT, LONDON, W.C.1

Scientific

**CONTAINS NO
RUBBER**



OVAL TOILET SPONGES selling at 3/8d. and 2/9d. including P.T. are now available in *four delightful colours*—natural yellow, blue, green, pink (packed in dozens, standard assortment or all one colour)—a really fine contribution to your window and counter display.

THE SPONTEX BABY SPONGE—extra fine, extra soft, in natural yellow, blue and pink, beautifully wrapped. 2/5½d. including P.T.

THE SPONTEX COSMETIC SPONGE—7½d. including P.T.

BACKED BY A NATION-WIDE ADVERTISING CAMPAIGN.

Order from your usual supplier, or, in case of difficulty, write to:

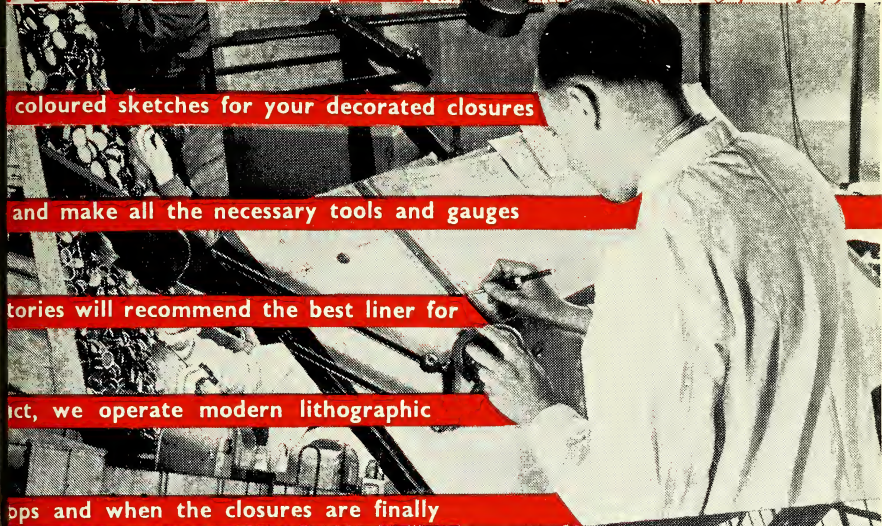
SPONCEL LTD., WOLDHAM RD., BROMLEY, KENT.

Telephone: RAvensbourne 2641



*Now in 4
delightful
colours*

METAL CLOSURES



coloured sketches for your decorated closures

and make all the necessary tools and gauges

atories will recommend the best liner for

ect, we operate modern lithographic

ops and when the closures are finally

produced they are individually inspected.

"The complete co-
operation and liaison
between our Bottle
and Cap Works en-
sure the perfection
of the container
and closure."



G B
BOTTLES
AND
CLOSURES
Perfect Pair

UNITED GLASS BOTTLE MANUFACTURERS LTD.

8 LEICESTER STREET, W.C.2

Tel: GERRARD 8611 (15 Lines)

Grams: UNGLABOMAN, LESQUARE, LONDON

They're working for you...



Which Twin has the Toni—
and which has the expensive perm?



25 million women can't be wrong!

Do as more than 25,000,000 women do — give yourself a lovely Toni perm. It looks better, your hair looks better! You'll have it in ten minutes and save from the very first day the expense of curl that with just the amount of curl that suits you best.

Toni waves any kind of hair that will take a perm — even grey, dark or light-colored hair. And you'll look as lovely and last just as long as the most expensive perm.

1 sample uses:
1. Roll your hair up in Toni curlers. Rub on Toni Creme Lotion. As you go, you like it a brand to help you with the back comb.

• Toni Creme Lotion — keeps your hair so beautiful and graceful that you'll feel for months to come.

De Luxe Kit price reduced—now

Toni
HOME PERMANENT
the creme cold wave

A PRODUCT OF THE TONI DIVISION OF GILLETTE, ISLEWORTH, MIDDLESEX

2. Tie a surplus around your head and do what you like while the wave is "taking." When done, remove from it to 3 hours.

3. Separate each curl with Toni comb, then set in beautiful, soft style of your favorite hair style. Your Toni Home Perm is in — just the way you want it!

Which Twin has the Toni?
Meryl and Elizabeth MacRae — with identical hair styles — clearly on the left, has the Toni. She says: "It was so easy to give myself a Toni perm and Elizabeth's Toni perm that it was simple and regular looking the very first day."

12/6
each set

MADE IN U.S.A.

MADE IN U.S.A.

Toni Twins build your profits

Yes, Toni has added yet another pair of lovely ide English twins to help you sell Toni — the only home used by more than 25,000,000 women. (That 5,000,000 more satisfied Toni users.)

Following in the footsteps of the Campbell, D Anderson, McCullough and Dahm twins, Mery Elizabeth MacRae are also featured in national pre magazine advertisements like the one shown here.

Which Twin has the Toni?

Meryl, on the left, gave herself a lovely Toni pe home. She says: "Even our closest friends can the difference between my Toni and Eliza expensive perm!"

STOCK TONI
FEATURE

Toni

HOME PERMANENT
the creme cold wave

It costs you nothing to tie-in your window and counter space with the most photographed twins in the world — the Toni Twins! Use your Toni display material to best advantage — make the Toni Twins bring you more profits!

A PRODUCT OF THE TONI DIVISION OF GILLETTE, ISLEWORTH, MIDDLESEX



FREE

Bonus offer

of
6 SPA Dental
Plate Brushes
to sell at 2/- each



To get these 6 SPA Dental Plate Brushes each
in a hygienic tube and packed together in a display outer

ORDER

1 dozen SPA Nailbrushes No. 65
1 dozen SPA Hairbrushes No. 22
2 dozen SPA Toothbrushes No. 5

COST

£3 1 6
plus
£1 0 6

RECEIPTS

£5 12 0
plus
12 0

Total

£4 2 0

for Dental
Plate Brushes

£6 4 0

**YOUR PROFIT IS £2. 2. 0 — a return
of 68.3% on the cost to you of the parcel.**

In return you display these best-selling SPA Brushes for a fortnight, putting the Dental Plate Brushes prominently on your counter. Customers who do not like to ask for Dental Plate Brushes will be glad to buy them when they can pick them up without asking. The demand for Dental Plate Brushes is growing. Since July of last year a million and a half more people have received dentures. More and more of these realize that they must use a brush designed specially for the job.

**SEND YOUR ORDER AT ONCE—AND
CASH IN ON THIS EXPANDING MARKET**

SPA BRUSHES LIMITED

FREEMAN WORKS • CHESHAM • BUCKS.

bandbox *home perm*

perfect
for every
hair style



you can trust Bandbox home perm just as you trust Bandbox shampoo

End Perm complete with 24 curlers 5/-... your cost 24/- per dozen, plus Purchase

Order from your wholesaler or direct from

ASHE LABORATORIES LTD. 120-2 VICTORIA STREET, LONDON, S.W.

Hurry! GET READY FOR EXTRA BUSINESS WITH

GALA OF LONDON'S nail colour

REGD. DESIGN

**in the same shades as
Gala Lipstick and Lip Line**

When you're asked for Gala Lipstick or Lip Line, offer Nail Colour in a matching shade too. That way you make two sales where you only made one before. It's smart for women to match lips to fingertips with the same glowing Gala shade—it's smart for you to stock up with Nail Colour and be ready for this sure demand.

Make the most of the fascinating never-been-seen-before bottle. Keep it on your counter where customers can handle it. Once a woman gets it in her hands—your job of selling is half done!



Nail Colour gets as big a publicity send-off as LIP LINE

Gala's success is built on quality, but it's backed by continuous, colourful, nation-wide advertising. See Nail Colour advertisements in NATIONAL NEWSPAPERS, WEEKLY JOURNALS, MONTHLY MAGAZINES, THEATRE PROGRAMMES, on the HOARDINGS, etc. It also gets generous EDITORIAL SUPPORT.

GALA OF LONDON

All enquiries or orders, please, to:

DISTRIBUTORS: **MYRAM PICKER LTD., HOOK RISE, SURBITON, SURREY**



NEW, NON-SPILL BOTTLE



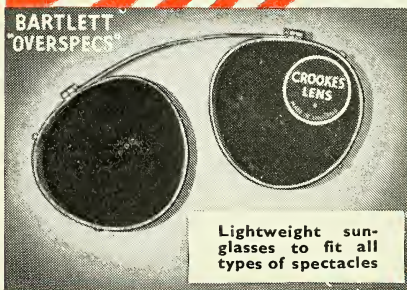
NEW, EASY-CONTROL STEM

OPTICALLY MADE

SUNGLASSES



FOR 1949



Latest imported French style
as shown above and full range
of British made sunglasses

Fitted with CROOKES LENSES

WHOLESALE ENQUIRIES ONLY TO:

ALFRED FRANKS & BARTLETT Co., Ltd

From your usual wholesaler

AUDREY HOUSE, ELY PLACE
LONDON, E.C.1

Big NEW sales

from a tried and tested line!



It's a new line that just can't be a seller! It's Camilatone Kreemollient—the outstanding hair conditioner that's been tried and proved beyond question in leading hairdressing salons all over the country. Millions of clients have seen it used professionally—they know it must be good. Small wonder that they are jumping at the chance to buy the new handy packs for home use—the strikingly attractive and colourful packs that almost jump up from the counter and sell themselves! And small wonder that thousands of chemists are sending repeat orders to meet the demand for National advertising in creating. If you're not in on this great new profit-maker, send your order right away! You can't afford to miss it!

Trade price: 7/- per dozen tubes (plus 100% tax). Retail: 1/5½d. per tube, inc. tax. Packed one dozen tubes in colourful, eye-catching displays. FREE WINDOW BILL TO LINK UP WITH ADVERTISING CAMPAIGN SENT WITH EVERY DELIVERY.



CAMILATONE LIMITED, Welsh Harp, Edgware Road, London, N.W.9

Now available

NEW, IMPROVED ARRID

**over 8d. profit
for you on every
jar you sell!
Retail price 2/5
including
purchase tax**

—the cream deodorant
which also stops perspiration

WOMEN are clamouring in the shops for Arrid—the world's biggest-selling cream deodorant which also stops perspiration. Advertising is being increased, and with a strong national campaign running, the demand will be something terrific!

Arrid sells on sight, and you make over 8d. on every jar. Easy, quick profits, and satisfied customers who'll come in for other goods! You are well advised to stock up without delay.

ORDER ARRID NOW!

Details of special terms for ARRID, Carter's Little Liver Pills, and other products from THOMAS MARNS LTD., 2 CAXTON STREET, LONDON, S.W.1



Cash from a CARDBOARD CAT!

It's absolutely certain that pet-lovers will be influenced in their purchases by the delightful cat's head which illustrates the smart new KARSWOOD showcards. It appears on the new packs, too, and the display outer makes a delightful counter display. KARSWOOD CAT POWDERS, excellent in every way, and backed by really selling publicity, are going to reap a big sales harvest. Gather your share! In packets of 8 for 9d. or 24 for 1/9

KARSWOOD

TASTELESS

cat

POWDERS

A product of E. Griffith Hughes Ltd., Manchester 3

ROTOSAN Automatic AIR PURIFIER

Chemists everywhere are welcoming the return of the ROTOSAN in its new modern, streamlined design. Packed in an attractive "display" cart with supply of ROTOSAN pink Superflu

Crystals. In four lovely pastel shades, Blue, Bronze, Green and Pearl. 33½% retail profit



Outfit retails
at

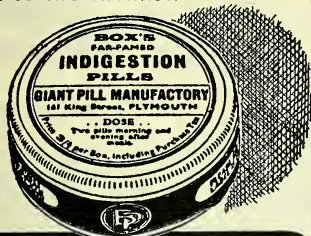
5/6

Plus 1/3 P.

Refills 2
6 oz. box

One of Walkers Approved Products
W. & F. WALKER LTD. KIRKBY, L'POOL

Long established, well known,
always a steady seller and still
gaining favour, BOX'S PILLS are
a sure and continuous source of
profit to the chemist.



Box's Pills
FOR INDIGESTION

P.A.T.A. 1/5, 3/4, 5/5
RETAIL 13/4, 24/2
PRICES INCLUDING P.T.A.

W. H. BOX, 161 King St. Plymouth.

NOT STICKY
it's NOT a plaster



PRESTOBAND
THE ANTISEPTIC SELF-ADHESIVE BANDAGE
STICKS TO ITSELF — BUT NOT TO THE SKIN

Details from the Sole Distributors

FASSETT & JOHNSON LTD

100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

Cox's

D.D.T. PARROT AND FLY PAPERS
ARE STOCKED BY OVER 10,000
CHEMISTS

- (1) Because they are guaranteed 100% impregnated.
- (2) No complaints.
- (3) Do kill flies as stated.
- (4) The household line prepared in ethical exactness in our own laboratories.

THE
PHARMACISTS'
FLY PAPER

We wish to thank
all Chemists for
their co-operation
in this year's
record business.



ORDER NOW

retail **4¹/₂D.** each

also Cox's original
Flypapers 3d.

JAMES COX
& CO.

Manufacturing
Chemist

368 Northolt Rd.
South Harrow
Middlesex
Tel: BYRon 4326

DIMP

keeps the midges away



This year's exceptional weather means that midges and other stinging insects are a bigger pest than ever. It means also that you will get more requests for DIMP, so make sure you have plenty of stocks.

CREAM 50% D.M.P. Pleasant, non greasy, vanishing. In attractive Satin finished Aluminium flat Tins containing 1.8 oz.
Packed 2 Doz. per Display Outer

LIQUID 100% D.M.P. Attractive 1 oz. Bottles. with controlled pourer.
Packed 1 Doz. per Display outer.

ORDER NOW from

SCOTT & TURNER LTD., NEWCASTLE - ON - TYNE

* Retail at 1/1½d. with generous profit for you.

* Carriage paid on 2 Doz. upwards.

* Immediate delivery.

"SURCO"

RELIABLE
ELASTIC HOSIERY
SEAMED AND SEAMLESS

For special garments to measure
we give the best possible service

**SURGICAL BELTS
TRUSSES AND SUNDRIES**

50 years' service of
everything Surgical

SURGICAL HOSIERY CO. LTD.

Russell Street - NOTTINGHAM
Telephone No. 75903 Telegrams: Surgical Nottm

FOR

PATENTS
DRESSINGS
PILLS & TABLETS
DANGEROUS DRUGS
DRUGS & GALENICALS
ETHICAL PROPRIETARIES

SMITH & HILL
(Chemists) Ltd.

SIDNEY ST., SHEFFIELD, 1
Phone: 24321

ASPIRIN THERAPY BROUGHT TO PERFECTION

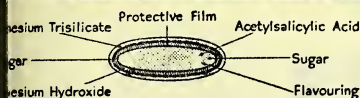
MAGSILATE

EATEN LIKE A SWEET -ANYTIME-ANYWHERE

No water required

- Quicker absorption—more effective action.
- No gastric disturbance.
- Fully protected against deterioration.
- Palatable.

MAGSILATE is a CF product, sold *through chemists only*. Terms are profitable. Attractive showcards, informative literature and free samples supplied with orders.



A product of

WESTMINSTER LABORATORIES LTD.
Chalcot Road, London, N.W.1.

*Supplied in two sizes:—4d. & 1/10d.
(inc. P. Tax) and Dispensing Packs of 125
and 500 Tablets, 9/- and 35/- free of P. Tax.*



PREMIER ROLL FILMS

8 EXP. PANCHROMATIC FILMS (30° SCH.)

8 EXP. ORTHOCHROMATIC FILMS (29° SCH.)

SIZES—PAN. P.20 P.62 P.27 P.16
ORTHO. P.20 P.62 only

PREMIER PHOTOGRAPHIC SUPPLY CO.

67 CALEDONIAN ROAD • KING'S CROSS • LONDON, N.1

Tel : Terminus 5085



Be prepared for bigger sales!

The Progress Shaving Brush Company has great pleasure in announcing an intensified retail sales campaign for Vulfix Service Shaving Brushes:

- 1) NATIONAL ADVERTISING CAMPAIGN. Over 30,000,000 press advertisements will appear during the next three months, adequately supported by extensive London Underground displays.
- 2) GUARANTEE. A two-years guarantee is given with every brush. The VULFIX Service Shaving Brush is a quality article and only PURE BRISTLES are used.
- 3) PRICES TO SUIT EVERY POCKET. We make four popular styles: Service No. 1, Service No. 2, Service No. 3, and Service No. 4. Fixed retail selling prices range from only 3/11 each. Here is a best-seller! Stock up now!

Contact your wholesaler or write direct:

VULFIX "Service" Shaving BRUSHES

PROGRESS SHAVING BRUSH Co., Ltd., Mottram Street, Stockport
49 Leadenhall Street, London, E.C.3.

THE BRUSH WITH THE TWO YEARS GUARANTEE

You'll be right in the swim
this summer—
if you stock



Puck
TIGHT FITTING SWIM CAPS

They're ideal for swimming, for the bath or for use while dusting. That means regular sales right through the year!

Packed in individual window cartons, caps are of red, yellow, pale-blue and white. Supplied in outers containing 4 dozen cartons, assorted.

Retail price in the U.K. 1/3 incl. tax
Only Wholesalers Supplied

GROVEWELL LTD

656 Forest Road, Walthamstow, London, E.17

Solitel
REGD.
SOLUBLE TOWELS

SOFT GAUZE COVERING
WITH LOOPS

HYGIENIC
HIGHLY ABSORBENT
BEAUTIFULLY SOFT
ECONOMICAL

M. MERICA & CO. LTD.

QUEENS MILL
20 SHAW ROAD, OLDHAM,
LANCS.

TELEPHONE: MAIN 5803

News from DALMAS of Leicester

New waterproof protection

A NEW-TYPE
ADHESIVE
STRAPPINGwaterproof... has 101
First-Aid uses

DALMAS STRAPPING, a new waterproof adhesive with 101 first-aid and other uses, is now in widespread demand everywhere. Because of this, supplies have been greatly increased.

Dalmas Strapping can be cut to any size, gives 100% protection against water, dirt, grease and acid. That's why it's specially suitable for cuts, sore places, torn finger nails, etc. In particular, it is ideal wherever the fixing of age would be awkward. Dalmas Strapping stretches all ways, so edges stick tight allowing free movement of joints and is. Attractive counter sell-outs contain 1/- spools, each 1 inch by 1 yard, price 24 spools, price 16/-. Also available in 1 and 3 inch widths.

DALMAS HEEL DRESSINGS. A new waterproof dressing that is specially designed for sore and blistered heels. Handy boxes, price 1/- retail.

DALMAS FINGER-TIP DRESSINGS. A new waterproof adhesive protection for red, cut or sore finger-tips. Handy boxes, 8/- per dozen, to retail at 1/- each.

DALMAS BOIL PLASTERS. A new waterproof protective dressing for boils. Skin-coloured, hardly shows. Handy boxes, 10d. retail, including tax.

for cuts

Heavy demand for
Dalmas First-Aid
Dressings

TO meet the nation-wide demand, we have further increased supplies of Dalmas, the waterproof plastic dressing that offers a totally new method of protecting cuts and minor wounds.

Dalmas gives 100% protection against water, dirt, grease and acid. So you need only cover the affected place and... no further trouble! You can actually wash with it on.

Dalmas stretches all ways (not just one way). That's why edges stick tight, cannot fray, cannot catch in clothes. What's more, Dalmas lessens infection risk, promotes safe and easy healing.



Display this box on your counter

Dalmas is skin-coloured, hardly shows. In attractive blue-and-white counter sell-outs, containing three dozen 1/- boxes, price 8/- per dozen. Special quantity discounts. PLACE YOUR ORDER NOW!

A. de St. Dalmas & Co. Ltd.

LEICESTER (Phone: Leicester 65261)

London Depot: 140-142 St. John St., E.C.1
(Clerkenwell 3399)

Leeds Depot: 14 Neville Street
(Leeds 29764)

Scottish Agents:

Robert Telford, 29 Waterloo St., Glasgow, C.2
(Central 2716)



A GOOD FAMILY LINE WITH A STEADY TURNOVER

HERBALENE, a nationally advertised herbal laxative, has a deservedly high reputation, for its gentle, natural action makes it suitable for young and old alike.

RETAIL PRICES

1/6, 2/6 & 3/8

Including Purchase Tax

Obtainable from wholesalers or direct from address below. Attractive show-card available on request.

TRADE PRICES

10/-, 16/- & 24/- per doz.

Plus Purchase Tax

Please enquire for details of how to obtain free a Rubber Door Mat advertising HERBALENE.

LUSTY'S NATURAL PRODUCTS CO.

(C.D.) 278 LONDON ROAD,
WESTCLIFF-ON-SEA

We have over 60

● ● ● ● ● ● ● ●
years experience

● ● ● ● ● ● ● ●
of making pills,

● ● ● ● ● ● ● ●
capsules and tablets

● ● ● ● ● ● ● ●
for home and overseas

**HOWARD LLOYD
& CO. LTD.
LEICESTER**

KAY

LINES THAT BRING SUMMER PROFITS

Flycatchers:

Honeypot, Viper, Tom Thumb, Gorgon

DDT Flykillers:

Katydid (2d.) "Lanterns" (4d.)
also APEX Insect Guns

ERA Moth Cartridges and Sheets

ERA DDT Flyspray

DAK (Birdlime) for Mice and Rats
tubes 1/-; tins 1/9.

KAYBRO ANTI-MIDGE tubes

Write for samples and prices:

KAY BROTHERS LTD.
Kayborough, Reddish, STOCKPORT



Introduces
GOLDEN METAL

lip pencil

A cosmetic sensation—a full-sized lip pencil of unsurpassable quality in a beautifully polished golden case, at the realistic price of 2/6. Each Joy Lip Pencil is mounted on an eye compelling counter display card which is its own shade card, the printed lips being the exact shade of the lipstick.

Six fascinating shades comprise the 'JOY' range —

NATURAL	PINK ROSE	CYCLAMEN
BRIGHT RED	CHERRY RED	DARK RED

and lip pencil refills are available.

NATIONAL ADVERTISING is commencing as nation-wide distribution nears completion.

	Trade Price	P.T.	Profit	Retail Price
LIP PENCIL	12/- per doz.	12/- per doz.	6/- per doz.	2/6 each
JOY REFILLS	4/10 „	4/10 „	2/4 „	1/- „

Obtainable from all Wholesalers and Chemist Sundriesmen

GRANVILLE PERFUMERY LTD

CARLISLE ROAD
LONDON, N.W.9

2'6

INCLUDING
TAX





★ **NATIONALLY
ADVERTISED**

**No. 71 perfumed
BATH CUBES**

**Make your counter pay dividends
by displaying these attractively
packed Bath Cubes**

RETAIL **3½d.** per cube
PRICE **1/9d.** packet of 6 cubes
(assorted perfumes)

Generous profit margins

**G. HAVINDEN LTD.
71 BAKER STREET, LONDON, W.1**



"CYCLOCHEM"

(Trade Mark)

OWN MANUFACTURE

Original

LANETTE WAX SX

also **LANETTE WAX SX 52**

and **LANETTE WAX S**

All fully complying with the official standard of
CERA EMULSIFICANS B.P.

Ask for New Booklet
"CYCLOCHEM LANETTE WAXES"

LOROL SULPHONATE

Liquid, Paste, Powder

CYCLO CHEMICALS LTD.

Wax Refiners and Chemical Manufacturers

MANFIELD HOUSE, STRAND, LONDON, W.C.2



Galjado

THE UNIVERSAL FAVOURITE
FOR OVER
20 YEARS

HAIR COLOUR RESTORER

For Grey and Faded Hair

Complete Catalogue of Perfumery and Toilet
Preparations sent on request

All products obtainable from your usual wholesaler
direct from

S. SIGAL & CO. LTD.

MANUFACTURERS OF EXCLUSIVE TOILET PREPARATIONS
47 TABERNACLE STREET, LONDON, W.1

TEN MILLION NEWSPAPERS DAILY

advertise **"ORICOL"** Instant Curl Capsules

Order supplies from your wholesaler.

Write for details free local advertising.

GLAMA OF MAYFAIR

17 Dover Street · London · W.1

Telephone: Regent 0356 (3 lines)

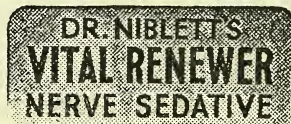
Now available **SACKERS HYGIENIC
METAL COMBS**

Will remove Nits, Vermin
from hair and scalp

All Enquiries to

SAQUERRE LTD. 42-64 BROOK STREET, LONDON, W.1

RECOMMENDED FOR NERVOUS



for

70 YEARS

Retail price

6/-

per bottle

including

purchase

TRADE DISCOUNT 33½%

C. P. NIBLETT (Est. 1870)

10 LICHFIELD TERRACE, RICHMOND, SURREY

Telephone: Richmond 3221



A LARGE TUBE FOR 1/9 . . . that's the Price Appeal
of Bristow's Lanolin Shampoo.

A Shampoo that conditions and beautifies
parched hair . . . that's the Sales Appeal
of Bristow's Lanolin Shampoo.

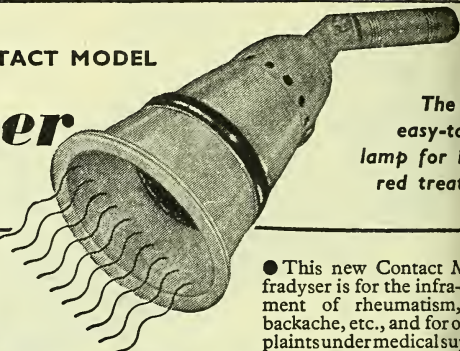
Large-space advertising is effectively putting
over these two Sales Points. The Shampoo
is liked . . . it really does all we claim for
it — the LANOLIN ingredient sees to that !
So display Bristow's Lanolin Shampoo on
your counters.

PRICES & TERMS

STANDARD TUBE for retail sale 1/9 a tube. **TRADE PRICE** 11/6 a dozen (Plus P.T. at 33 1/3%)

T. BRISTOW & CO. LTD., BOSTON MANOR ROAD, BRENTFORD, MIDDX. T.11

INTRODUCING THE CONTACT MODEL

Infradyser

The s
easy-to-
lamp for in
red treatm

● This new Contact Model Infradyser is for the infrared treatment of rheumatism, backache, etc., and for other complaints under medical supervision.

This lamp is safe and economical. Consumption is 250 watts and it can be plugged straight into any convenient power point. The heat never exceeds a comfortable maximum and is uniform, and there is no risk of burning. The hyperthermia induced may last up to 4/5 hours.

This is a new and interesting line for chemists, reasonably priced at £2.18.9d. (inc. 11/9d. Purchase Tax). Literature and display material available. State voltage before ordering.

AEROSOLS LTD

65, OLD BROMPTON ROAD, LONDON, W.6
Telephone: KENsington 7495

Femex REGD.

Drastic cuts in

'FEMEX'

Sanitary Towels

Femex No. 1.....	18/-	.....2/-
Femex No. 2.....	22/6	.....2/6
Femex No. 3.....	27/-	.....3/-
Maternity.....	27/-	.....3/-
Soluble No. 1.....	15/9	.....1/9

High Quality unchanged
IMMEDIATE DELIVERY

WILFRED STRETCH & CO.
LIMITED
CASTLETON · ROCHDALE

SELL

under your

"OWN NAME"

**Vitamin Malt
Extract
and
Malted Wheat
Food**

Write for particulars or phone:—
KINGS OF KINGSBURY (Sales)
1, LONDON BRIDGE, S.E.1

Phone: HOP 2004



NOW WE'VE MOVED— EVERYTHING'S MOVING

The Carter 'Factory in a Forest' is settling down to steadily increasing production. New ideas—new processes—are going into operation so that Ribena, always high in quality, will be better than ever in every way. Some of the improvements in bottling and colouring are already getting around. Ribena does everybody good—including the Chemist who sells it!



Ribena (RIBES NIGRA)
BLACKCURRANT SYRUP

H. W. CARTER & CO. LTD., THE ROYAL FOREST FACTORY, COLEFORD, GLOS.

*It will make sore throats better
and Summer trade brisker
if you sell*

Simpkin's **IODISED FRUIT PASTILLES**

Iodised Fruit Pastilles, though a new line, have already proved to be most effective for parched, dry throats so prevalent in summer due to dust and heat. Available in the same pack as our other pastilles, 2 lb. display jars, 3 lb. tins, and packed tins to retail at 1/6d. They are a combination of Iodine, Phenol, Menthol and Methyl Salicyl, in assorted Fruit flavours (Lime, Orange and Lemon.)

A. L. SIMPKIN & CO. LTD.
SHEFFIELD



PHARMACEUTICAL LABORATORIES
ENGLAND

*Dental Sticks
are specially
made for
massaging the
gums - They
are not Tooth-
picks*

Dental Sticks are manufactured from various types of specially selected soft and hard woods and also from whalebones and are intended entirely for massaging the gums between the teeth.

BRITISH DENTAL STICKS LIMITED
NEWCASTLE-ON-TYNE 4



**ALREADY A
"BEST SELLER"!**

The extra-strong peppermint flavour (that has delighted users everywhere. It *pays* to buy and sell DENTOMINT at 1/- a tube, incl.

- SUBSTANTIAL PROFITS — ALL YEAR ROUND SALES
- 50% PROFIT FOR RETAILERS
- WELL ADVERTISED
- ATTRACTIVELY PACKED IN 1 DOZ. DISPLAY OUTER

Post your order to-day:—

DENTOMINT LIMITED

14 BLENHEIM TERRACE
ST. JOHN'S WOOD, LONDON, N.
Telephone: MAIDA VALE 8061/2

A date with pain?
TAKE A COUPLE OF
ANADIN
Trade Mark
TABLETS INSTEAD!

They work quickly and safely because, in them, pure Aspirin is balanced with Phenacetin, Caffeine and Quinine, the products known to fortify and sustain the effects of Aspirin whilst eliminating undesirable after-effects.

FOR SAFE AND QUICK RELIEF



This advertisement is one of a series now appearing in the principal Women's Magazines and designed to increase the high level of professional acceptance for 'Anadin'.

'ANADIN' is accepted by more and more women as the ideal analgesic for periodic pains. This high regard has been earned through the professional recommendation of doctors, dentists, nurses and welfare officers. Each month many thousands of professional people are mailed and serviced with samples for distribution to patients.

'ANADIN' Tablets are available in 2 sizes — 20's in the "one-by-one" handy pack and bottles of 50. 'Anadin' can be included with other I.C.C. lines to qualify for co-operation discounts of 12½% on orders of £10 and over; 10% on orders of £5 and over.

ANADIN

MISCELLANEOUS OPPORTUNITIES

Advantageous offer of PHARMACEUTICAL CHEMICALS in BULK and BOTTLED QUANTITIES

List of Surplus Stocks will
be sent upon application.

Example offers:

MERCURY BICHLORIDE TABLETS

600,000 in Bottles 1,000

MERCURIAL OINTMENT

200,000 $\frac{1}{2}$ -oz. Tubes.

SULPHURIC OINTMENT

10,000 1-oz. Tubes.

BUTYN SULPHATE and METAPHEN OINTMENT

20,000 $\frac{1}{2}$ -oz. Tubes.

SULPHATHIAZOLE OINTMENT 5%

30,000 $\frac{1}{2}$ -oz. Tubes.

EMUSLIO LIQUID PARAFFIN B.P.

200 5 lb. Bottles.

**SURPLUS STOCK U.S.A. AND BRITISH
MANUFACTURE FOR IMMEDIATE SALE**

For samples and details apply:

WALTER JOHNS

22 STUART CRESCENT, LONDON, N.22

PROMPT DELIVERY BEST VALUE

SACCHARINS

Government Standard Strength. 0.2 Gr. - 550.

In Packets of 200 Tablets. Price 1/-

Price 9/- per doz. Packets of 200 Tablets
Postage paid.

This shows you a profit of 25%

Terms, remittance with order or C.O.D.

TENZ (LONDON) LTD.

Manufacturing Chemists

2a Matcham Road, Leytonstone
London E.11

Surgical Chiropody

Most of the training necessary to
qualify for a Diploma in Chiropody
can now be taken at home by special-
ised correspondence lessons. Fullst
particulars of how to enter this highly-
paid profession from:

SCHOOL OF SURGICAL CHIROPODY
(Dept. CD)
LEATHERHEAD, SURREY

OPTICAL TUITION

For the S.M.C., B.O.A., I.C.O.,
and N.A.O. DIPLOMA Examination

Particulars:—

C. A. Scurr, F.S.M.C., F.B.O.A., F.N.
D. Opt. F.C.O., M.P.
50 HIGH STREET, BARNET, LONDON

MIDDLESEX COUNTY COUNCIL
Education Committee

ACTON TECHNICAL COLLEGE
HIGH STREET, ACTON, W.3

A full-time course for the Pharmaceutical
Diploma will be held in the Session 1949/50 at
Technical College, High Street, Acton, W.3.

Candidates entering in September are pre-
pared for the June examination 1950.

Application form and prospectus may be ob-
tained on application to the Principal.

T. B. WHEELER
Chief Education Officer

PRE-PACKING & LABELLING

(We can now accept fresh orders)

LIQUIDS: From Bulk into any size bot-
tles from $\frac{1}{2}$ oz.

POWDERS & TABLETS: Mixed and packed to custom-
er's specifications.

J. H. WISEMAN & CO. LTD.
100 Blackstock Road, Finsbury Park, N.7

S.T. I. SUN TAN POWDER

Bottles. $\frac{1}{2}$ oz. powder to 2 ozs. water. App-
ly with wadding and gives the admired GOLD
BROWN Skin Tint with smooth matt finish. En-
quiries appreciated. 7 lbs. lots at 2/9 lb. post 1/-

Makes 224 x 2 oz. bottles.
CHEMICAL MFG. LABORATORY LTD. DRAKE B.
WORKS, TAVISTOCK, DEVON (Tavistock)

ASPIRIN TABLETS B.P.
A.P.C. TABLETS B.P.

Bulk or Packed

THREE CROWNS TABLET COMPANY
21-25 Derringham Street, Hull

JULY 23, 1949

Chemist & Druggist SUPPLEMENT

HEAD OFFICE: 28 ESSEX STREET, STRAND, LONDON, W.C.2

Telephone: Central 6565 (10 lines)

Telegrams: "Chemicus, Estrand, London"

Classified Advertisements must be prepaid.

For rates see sectional headings

IRE NORTHERN IRELAND

ORRIDGE & CO. (Established 1846)

SALES, PURCHASES, VALUATIONS, STOCKTAKING and ASSESSMENTS

STOCKTAKING A skilled and experienced staff is now at the service of Irish Pharmacists. The work is done quickly, efficiently and without disturbing the routine of the business. Detailed results showing cost, pil and purchase tax available within a few days.

VALUATIONS undertaken by expert assessors.

BUSINESSES FOR SALE We have a number of businesses for sale in Ireland, please write for details.

WE INVITE YOUR INQUIRIES

184 STRAND • LONDON • W.C.2

Telephone: TEMPLE BAR 9212/3—6340

Telegrams: Orridgechem Estrand, London

Branch Offices: 36 Cannon St., Birmingham, 2.

Phone: Midland 6547

77 High St., Shirley, Southampton.

Phone: Southampton 71708

BUSINESSES FOR DISPOSAL

8/6 (minimum) then 3d. per word. Box 2/-

STORES S.E.1, lock-up shop fitted as three doctors near, Main road, working district, average takings £80 per week, net's figures, rent 30/- per week plus rates, £200, fittings and goodwill, inclusive price Box 6/481.

VE COSMETIC BUSINESS. Well-known name. Very easy to handle. No qualification to run. P.T. licence. Price, inclusive of stock and fittings. Box 6/523.

OS. Country pharmacy on growing house. No opposition. Turnover over £4,000. Living accommodation with garden. Long over retiring. Box 6/525.

MBE. For sale, in prominent position on main road, sound pharmaceutical business, all round trade, ripe for further development available. Figures will be disclosed to enquirers. Reasonable offers invited. George M. Walker, Estate Agent, 29 St. Rd., Morecambe and Heysham. Tel. 391.

BUSINESSES WANTED

8/6 (minimum) then 3d. per word. Box 2/-

BUSINESS (village) wanted. Drug store or Turnover about £2,000 per annum. Certainty managing with view to succession.

PRIVATE PHARMACIST (38) desires to purchase business in Southern England, returning annual net profit of £1,000, or thereabouts. Living accommodation with garden if possible. Capital available. Replies treated with strict confidence. Box 6/508.

APPOINTMENTS

2/6 per line (12 lines = 1") Box 2/-

ASHTON, HYDE AND GLOSSOP HOSPITAL MANAGEMENT COMMITTEE DISTRICT INFIRMARY, ASHTON-UNDER-LYNE

Applications are invited for the post of **CHIEF PHARMACIST** (male or female) from persons whose names are on the Statutory Register of Pharmacists maintained in accordance with the Pharmacy Acts.

Salary commences at £520 per annum, rising by 5 annual increments of £20 to £620 per annum, in accordance with J.N.C. scales. The post is superannuable and subject to medical examination.

Applications, giving full details of qualifications, age and experience and names and addresses of two referees to be forwarded to the undersigned.

R. W. McVITY,
Secretary.

Astley Road,
Stalybridge, Cheshire.

The Bridge
Walsall, nr. Birmingham
Phone : Walsall 5948

28 Rigby Buildings, 4 Aytoun St.
Manchester 1

Phone : Central 0877

141 Bath St., Glasgow
Phone : Douglas 3168

ERNEST J. GEORGE & CO.

Chemists' Transfer Agents, Stocktakers
and Valuers

329 HIGH HOLBORN
LONDON, W.C.1

Phone : Hol. 7406/7 and 2397

South Coast Representative

G. Loxton Grinstead, M.

"Edwina," Oaklands A

Saltdean, nr. Brighton, S

Phone : Pottingdean 82.

BUSINESSES FOR DISPOSAL

A.1. Hants. Freehold property which for 40 years up to 1940 had been utilised as a pharmacy. Premises include living accommodation. Price asked for freehold (with vacant possession) £2,250; reasonably near offers considered.

A.2. London Area. Three very profitable photographic businesses are offered for sale by private negotiation; the combined net profit for 1948/49 amounted to nearly £4,000; the shops can be acquired jointly or separately, preferably the former; capital requirements will approximate £15,000. The businesses are all conducted under management and are fully staffed; where necessary, we have been asked to obtain bankers' references or other assurance of financial standing.

A.3. London, E.C. Old-established City business; turnover for last financial year £4,000 approx.; main road position; good scope; price £2,500, including stock and fixtures (estimated at £1,700).

A.4. Brighton. Established business situated busy shopping street. Turnover for 1948/49 (17½ months), £9,342. Four-roomed flat bathroom; rent £100 per ann. Scope exists for further development. Price by negotiation; quick sale desired.

A.5. Essex (Congenial Town). Well-established business occupying main road position. Turnover for 1948/49 £9,205. Price £6,000, including stock estimated at £1,500. Owner retiring.

A.6. London, S.E.10. Old-established business occupying main road position in popular middle- to lower-class area. Was reconverted to pharmacy in September last. Excellent for N.H.S. dispensing, which is now averaging about 550 scripts per month. Owner has just chased another business, and for a quick sale is willing to accept a price of £1,000, stock. Offers may also be considered.

OFFICIAL VALUERS TO THE N.P.U. BUSINESS PURCHASE FUND

Appointments—Continued

SOUTH-WEST No. 1 GROUP HOSPITAL MANAGEMENT COMMITTEE

FULBOURN HOSPITAL, FULBOURN,
CAMBS.

DISPENSER, holding the Apothecaries or other certificate, wanted at the above Hospital. Applications for part-time employment will be considered. Salary £270-£320 p.a. Applications, with the names of two referees, to be forwarded to the Medical Superintendent.

EXETER AND MID-DEVON HOSPITALS MANAGEMENT COMMITTEE

Royal Devon and Exeter Hospital, Exeter, require an **ASSISTANT PHARMACIST** (male or female). Salary according to J.N.C. (Hospital Staffs) Scale — £370 to £450 per annum. Hospital experience preferred, but not essential. The post is subject to the National Health (Superannuation) Regulations. Applications, with full particulars and copies of two testimonials, to the Senior Administrative Officer.

EDGWARE GENERAL HOSPITAL, EDGWARE, MIDDLESEX

LOCUM PHARMACIST required. 12 to 14 guineas per week according to experience. Applications with full details to Medical Director.

HILL END HOSPITAL & CLINIC, ST. ALBANS, HERTS

DISPENSER (locum tenens), male or female, wanted immediately. Salary 7 guineas per week. Apply, stating full particulars of experience to Medical Superintendent, Hill End Hospital & Clinic, St. Albans, Herts.

THE HOSPITAL FOR SICK CHILDREN, GREAT ORMOND STREET, LONDON, W.C.1.

ASSISTANT PHARMACIST

Applications are invited for this post. Salary, £370 to £450 on J.N.C. Scale, according to experience. Apply, with details of qualifications and experience, to A. Rae, Chief Pharmacist.

National Health Service Act, 1946 DUDLEY, STOURBRIDGE & DISTRICT HOSPITAL GROUP— BIRMINGHAM REGION

THE GUEST HOSPITAL, DUDLEY

Applications are invited for the post of **FIRST ASSISTANT PHARMACIST**, resident. The salary is in accordance with the Joint Negotiating Committee, i.e., £15-£490 p.a.

Applications, stating age, qualification, experience, with copies of three recent testimonials, to be sent to—H. Raymond, Secretary to Management Committee, Guest Hospital, Dudley.

NORTH MANCHESTER HOSPITAL MANAGEMENT COMMITTEE

ANCOATS HOSPITAL,
MILL STREET, MANCHESTER,
SENIOR ASSISTANT PHARMACIST required. Salary in accordance with scales.

Applications, stating age, experience, qualifications and date of qualification, together with the name and address of two referees, to be sent to the undersigned as soon as possible.

JOHN H. DAFFORNE,
General Superintendent



**IT'S NEW!
IT'S GOOD!
IT SELLS ON SIGHT!
NOW**



**8 EXPOSURES
PER SPOOL
FOR THE SAME PRICE**

**FREE ADVERTISING DISPLAY STANDS FULL
DESCRIPTIVE LITERATURE ON REQUEST**

TRADE AND EXPORT ENQUIRIES INVITED

Roll Films are available from the Leading Wholesale Chemists, or direct from:-

PANDA FILM CO. (WHOLESALE) LTD.

12 LAINGS CORNER, MITCHAM, SURREY

TELEPHONE: MITCHAM 4739 & 0826

Appointments—Continued

BOTLEYS PARK HOSPITAL MANAGEMENT COMMITTEE

REGISTERED ASSISTANT PHARMACIST
Botleys Park Hospital, Chertsey, Surrey.
(Hospital Staffs) salary, viz., £370 in-
crease; annual increment up to £450 p.a.
his experience may determine commensu-
rate salary. Recently qualified pharmacists
eligible. Opportunity to take part in prepara-
tion of sterile products. Whole-time, estab-
lished pensionable, subject to medical exam-
ination, stating age, qualifications, experi-
ence with copies of not more than three re-
sults of testimonials, to Physician Superintendent,
Botleys Park Hospital, Chertsey, Surrey.

FOREST HAM GROUP HOSPITAL MANAGEMENT COMMITTEE

REGISTERED ASSISTANT PHARMACIST
Forest Gate Hospital, London, E.7.
Applications are invited for the appointment
of **REGISTERED ASSISTANT PHARMACIST** at Forest Gate
Hospital, London, E.7. Whole-time; hours of
work 39 per week; no Sunday duty. Salary in
accordance with J.N.C. (Hospital Staffs),
£370, rising by four annual increments
of £20, and one of £20, to a maximum of
£510 per annum. Experience will be taken
into account in determining the commencing
salary within the authorised scale. Newly-
qualified pharmacists considered. Housing
allowance cannot be provided. Applications,
stating age, qualifications, experience, and
names of two referees, should be sent to the
Medical Superintendent, Forest Gate Hospital,
London, E.7.

CROWN AGENTS FOR THE COLONIES

**SUPERINTENDING PHARMACEUTICAL
CHEMIST** required by Government of Fed-
eration of Malaya for Medical Department,
for initial tour of 3 years with prospect of
permanency. Salary and Expatriation Pay be-
tween \$490 and \$1,065 a month. (Malayan
dollar = 2s. 4d.) Commencing salary accord-
ing to age and war service. Cost-of-living
allowance between \$150 and \$375 a month,
according to dependants. Free passages. Can-
didates, not over 35, and preferably single,
must have the Pharmaceutical Chemist Diploma
of the Pharmaceutical Society in addition to
that of membership of the Society, with,
after registration, at least one year's
experience in teaching, hospital work, or
manufacturing pharmacy. B.Sc. (Pharm.) or
B.Pharm degree of a British University is
desirable but not essential. Duties may in-
clude teaching in the Department of Phar-
macy, College of Medicine, Singapore, assist-
ing in the administration of the Government
Medical Store and in the administration of the
laws controlling the practice of Pharmacy, in-
spection of Government hospitals and dispen-
saries and of commercial pharmacies, and the
manufacture and analytical control of drugs
and chemicals used in the Medical Depart-
ment. Apply at once by letter, stating age,
whether married or single and full particulars
of qualifications and experience and mention-
ing this paper to the Crown Agents for the
Colonies, 4 Millbank, London, S.W.1, quot-
ing M/N/18288/3F on both letter and en-
velope. The Crown Agents cannot undertake
to acknowledge all applications and will com-
municate only with applicants selected for
further consideration.

NO. 12 GROUP EAST ANGLIAN REGIONAL HOSPITAL BOARD CHIEF PHARMACIST.

There is a vacancy at the Peterborough and District Memorial Hospital for a CHIEF PHARMACIST (male or female). The post is a non-resident one and there is one assistant. Salary according to the Joint Negotiating Committee (Hospital Staffs) recommendations.

Applications, stating age and experience, with copies of three recent testimonials, should be sent forthwith to Mr. F. A. C. Taylor, House Governor and Secretary, Peterborough.

SOUTH EAST ESSEX HOSPITAL MANAGEMENT COMMITTEE

Applications are invited from qualified persons for the post of pharmacist for the Group, with specific duties for Thurrock and St. Andrew's Hospitals (total beddage 641) and relief duties at other hospitals as required. Salary in accordance with J.N.C. Scales.

The position is subject to the National Health Service (Superannuation) Regulations and the person appointed will be required to pass a medical examination.

Applications stating age, qualifications and experience, together with the names of two referees to be forwarded to the undersigned within 14 days of the appearance of this advertisement.

E. E. TAYLOR,
Secretary,
Thurrock Hospital,
Stifford Long Lane,
Grays.

WEST HAM GROUP HOSPITAL MANAGEMENT COMMITTEE FOREST GATE HOSPITAL, LONDON, E.7.

NON-RESIDENT LOCUM ASSISTANT PHARMACIST required immediately by Forest Gate Hospital for an indefinite period. Hours of duty, 9 a.m. to 5 p.m. Half day per week from 1 p.m. No Sunday duty. Salary up to £11 11s. per week, according to experience.

Applications, stating age, qualifications, experience, and names of two referees, should be sent to the Medical Superintendent, Forest Gate Hospital, London, E.7.

QUEEN MARY'S HOSPITAL FOR THE EAST END WEST HAM GROUP No. 9 STRATFORD, LONDON, E.15.

Applications are invited for the post of SENIOR ASSISTANT PHARMACIST for duties at Queen Mary's and Plaistow Hospitals. Salary in accordance with J.N.C. (Hospital Staffs) Scale, viz., £415, rising to £490 per annum by annual increments of £15. The post is subject to the provisions of the National Health Service (Superannuation) Regulations, 1947.

Applications are invited for the post of ASSISTANT PHARMACIST. Commencing salary depending on experience and in accordance with the J.N.C. (Hospital Staffs) Scale. Previous hospital experience not essential. Hours, 9 a.m. to 5 p.m. Saturday, 9 a.m. to 1 p.m. No Sunday or late duties.

Applications, giving full details of age, qualifications and experience, together with copies of references, in respect of these two vacancies, should be addressed to the Chief Pharmacist, to be forwarded not later than August 3, 1949.

BRITISH ELECTRICITY AUTHORITY EAST MIDLANDS DIVISION CHEMIST-SPONDON

Applications are invited for the post of Station Chemist at Spondon General Station, Derby.

Applicants should preferably be qualified Chemists (or with Higher National Certificate) with a knowledge of sampling analysis and of coal, water and oil.

The salary will be in accordance with "K" Grade 8 of the National Joint Schedule.

This post will be subject to the Electricity Authority's Superannuation Scheme when constituted.

Applications must be submitted on official form which may be obtained from the Divisional Establishments Officer, Electricity House, Barker Gate, Nottingham and should be returned not later than July 1949.

W. S. BURTON
Divisional Controller

British Electricity House,
Barker Gate, Nottingham.

WILTSHIRE COUNTY COUNCIL SWINDON HEALTH CENTRE APPOINTMENT OF DEPUTY CHIEF PHARMACIST

Applications are invited from qualified pharmacists for the appointment of Deputy Pharmacist at the Swindon Health Centre. Candidates should have had not less than three years' hospital or Public Health experience after qualifying as a Pharmacist. Salary per annum, rising by five annual increments of £20 to £525, plus one additional increment of £15 if specially recommended. The appointment is superannuable subject to a medical examination, and terminable by one month's notice on either side.

Applications, stating age, qualifications, experience, and the names and addresses of two persons to whom reference can be made, should be forwarded to Dr. T. Ross, Medical Officer, Swindon, as soon as possible.

P. A. SELBORNE STRINGER
Clerk of the County Council

County Hall, Trowbridge.
July, 1949.

CANTERBURY GROUP HOSPITAL MANAGEMENT COMMITTEE

ST. MARTIN'S HOSPITAL, CANTERBURY. Applications are invited for the post of SENIOR ASSISTANT PHARMACIST (b) ASSISTANT PHARMACIST for the Group Pharmacy situated at the Kent Canterbury Hospital, Canterbury.

Salary Scales (a) £415 x £15 p.a. to £450 and (b) £370 x 4 of £15 and 1 of £20 to a maximum of £450. In addition payments may accrue in respect of duties involving about three hours extra each week.

Applications from duly registered pharmacists should be forwarded to the undersigned within 14 days of the publication of this advertisement. As a temporary measure the element of a full-time locum tenens would be considered.

Further information concerning duties will be forwarded on request.

J. F. KENT,
Secretary,

Canterbury Group Hospital Management Committee, St. Martin's Hospital, Canterbury.

WANTED

An old-established firm of Manufacturing Chemists, one of the most progressive in the country producing ethical and semi-ethical preparations, is desirous of appointing to their Board a really live

SALES DIRECTOR

The type of man visualised is one who can produce concrete evidence of outstanding ability in a similar capacity covering both administration and sales record. He must have a thorough knowledge of wholesale and retail trade customs, the detailing of Doctors both by mail shots and propagandists, coupled with a broad outlook. He must be prepared to accept considerable responsibility and work in close liaison with the Managing Director.

The appointment, after a probationary period of six months, will carry a salary of £1,000 a year, plus commission on a graduated scale based on turnover.

Write in confidence, giving fullest details, to
Box A/297.

es advertised are restricted to persons or
ments excepted from the provisions of the
of Engagement Order, 1947.

SITUATIONS OPEN

8/6 (minimum) then 3d. per word. Box 2/-

RETAIL (HOME)

IST or chemist/optician, lady or gentle-
quired for new branch shortly opening in
class district North-west London. Conge-
with excellent remuneration for suitable
Telephone Primrose 6659 or write Box

L ISLANDS. Pharmacist (single preferred)
ger for Guernsey. Light, congenial post.
S. Interviews London or Southampton.
iculars to Box 6/518.

OF SUITABLE ACCOMMODATION (if
on appointment. Qualified persons, male
ale, are required to manage attractive
es in south-east and south-west districts
n. Positions are available offering salary
50 to £650 per annum, plus generous
n. Engagements are permanent and pro-
and include entry into superannuation
Apply, giving full particulars to the Staff
Royal Arsenal Co-operative Chemists,
Powis St., Woolwich, S.E.18.

N. Unqualified assistant required for
o with brisk counter trade. Applicant must
on counter work and be of businesslike
n. Apply, stating age, experience, refer-
ary required and usual particulars in first
Box 6/441.

ER—male or female—wanted, preferably
ood salary according to experience.
Lloyd, Chemist, 133 Percy Rd., Whitton,

RNE. Qualified manager required for
nch pharmacy. Apply to:—H. R. Browne
, Ltd., 44 Cornfield Rd., Eastbourne.

COVENTRY. Attractive vacancy for single, young
pharmacist, about 25 years, in good-sized private
pharmacy with vigorous dispensing and counter.
Good staff, congenial conditions, salary £624 p.a.,
with additional generous pay for rota. Retirement
of proprietor, very near future, should lead to
advancement or directorship for good man. Pros-
pects of unfurnished house, later. Interview ex-
penses paid. Full particulars first letter to Box
6/488.

EXCELLENT OPPORTUNITY for young qualified
optician on C.P.C. list to take control of sub-
stantial practice. Premises about to be vacated after
21 years' lease; Birmingham-Wolverhampton area.
Box A/9.

KINGS LYNN. Qualified or unqualified assistant
required. Capable of supervising staff and photo
sales in modern high-class pharmacy. Apply Allen
& Neale (Chemists), Ltd., Kings Lynn, Norfolk.
Phone 2459.

LADY experienced for chemist's counter South
London. Progressive post for willing worker.
Apply Box A/276.

LONDON Co-operative Chemists, Limited, invite
applications from experienced pharmacists for
branch managerial vacancies in pleasant suburban
areas. Modern, well-equipped shops with good
supporting staffs, attractive salary, generous com-
mission on dispensing, with payment for all rota
duties. Positions permanent and superannuated,
with excellent promotion prospects. Choice of
living accommodation, house or flat, where re-
quired. Full particulars as to experience, wages
required, etc., to Superintendent Chemist, Grange
Rd., Leyton, E.10.

LONDON, E.2. Superintendent pharmacist re-
quired. Commencing salary £14 per week, plus
bonus. Every assistance and consideration given.
Elderly man might suit. Write or call, L. & M.
Langer, Ltd., 321 Bethnal Green Rd., London,
E.2. Bishopsate 4979.

Situations Open—Continued**CHEMIST REQUIRED FOR INDIA**

ist, M.P.S., required by leading phar-
in Bombay. Good salary and prospects.
pal is at present in London and inter-
can be arranged at short notice. Please
giving age and full details of previous
ence to Box A/287.

WHOLESALE**ENTS REQUIRED . . .**

**IN ALL TERRITORIES TO HANDLE
WELL-KNOWN TOILET ROLL
MANUFACTURERS' PRODUCTS**

SALARY AND COMMISSION

Box A/271

WANTED with live connection for the
large stocks of ex-Government Pharmaceu-
nd Drugs by leading British and U.S.A.
turers. The prices are attractive and very
al commissions can be earned. Commis-
y or salary and commission to suit appli-
Free-lance or agents having good connec-
d wishing to carry our goods as side lines
d. Box 6/542.

& HANBURY, LTD., require the services
armacist, male or female, in their West-end
ry. Canteen facilities. Apply, Manager,
Hanbury, Ltd., 7 Vere St., W.1.

NT to Commercial Manager for old-estab-
manufacturing and wholesale chemists,
f England. Applicant must be a qualified
and druggist with wholesale house experi-
correspondence, costing and organisation.
nity and permanency offered to suitable
not over 40 years of age. State experi-
ary suggested, and copy refs. to Box

SEARCH PHARMACIST, preferably also
chemical qualifications, is required as
stant chemist by a well-known company
North-west. Commencing salary will be
on £600-£700 according to experience.
epley in confidence to Chief Chemist, Box

NG LIFE ASSURANCE COMPANY transact-
a larger type of business contemplate ap-
nt of a representative to specialise in the
field. Applicants should either have had
ee of outside representation, or possess a
aptitude for such work, coupled with
ge of the field in question. Both technical
s training will be given and the position
onsiderable financial scope for those whose
enable them to take advantage thereof.
ants are asked to give full preliminary
of themselves when an interview will be
e. Box 6/517.

NG GRADUATE with organic and bio-
interests required in the research labora-
ry. The British Drug Houses, Ltd. Salary
g to age, qualifications and experience.
ions should be addressed to the Personnel
Ref.: RMA/VP, Graham St., City Rd.,
N.1.

PRODUCTS, LTD., require clerk in pro-
planning department. Previous experience
lesale or manufacturing firm preferred.
es should give fullest details in writing,
es required, to Production Director, Bayer
Ltd., Africa House, London, W.C.2.

BURROUGHS WELLCOME & CO. have a vacancy
for a pharmacist in their development laboratories
at Dartford. Applicants must be experienced in
the formulation of pharmaceutical preparations and
in the development of manufacturing methods.
Salary according to qualifications and experience.
Applications to be addressed to the Production
Director, The Wellcome Foundation, Ltd., 183
Euston Rd., N.W.1.

COATES & COOPER, LTD., Manufacturing Che-
mists, require a chemist (B.Pharm.Ph.C.), age 35-
40, as assistant to the managing director. He
should be fully conversant with factory organisa-
tion and management and able to undertake the
investigation and development of ethical speciali-
ties. A four-figure salary commensurate with ex-
perience and qualifications will be paid. Apply in
writing in first instance giving detailed particulars
to the Managing Director, Coates & Cooper, Ltd.,
Pyramid Works, West Drayton, Middlesex.

FASSETT & JOHNSON, LTD., require the services
of an experienced representative for Surrey, Kent
and Sussex to sell nationally known proprietaries
and surgical dressings to all available outlets. Car
provided, together with salary and adequate ex-
penses. Residence on territory is necessary. Appli-
cations submitted should give particulars of pre-
vious experience and salary required, and be
addressed to Sales Manager, St. Johns Gate Build-
ings, 86 Clerkenwell Rd., E.C.4.

LONG-ESTABLISHED manufacturing chemists re-
quire experienced manufacturing chemist for their
Dublin (Ireland) factory. Manufacturing experi-
ence of toilet and cosmetic preparations essential.
Minimum commencing salary £500 per annum.
Applicants please give full particulars first letter.
Box 6/524.

MANAGING CLERK, male, for wholesale chemists,
Birmingham. Energetic, aged 30/45. Familiar
with sales office routine. Excellent prospects in
expanding organisation. State experience and
salary required. Box 6/536.

MANUFACTURERS of finest quality lozenges, pas-
tilles and pharmaceutical specialties, have vacan-
cies for top grade representatives with established
connections. Territories: 1, Dorset to Cornwall.
2, Wales. 3, North Lancashire. Applicants must
have long selling experience on the territories.
Permanency and exceptional prospects are assured
to conscientious salesmen with drive and enter-
prise. Agencies considered. Full information
necessary, including age, experience, and if car
owner. Address to Sales Director; mark envelope
"Confidential." Box 6/527.

MANUFACTURERS of nationally-advertised proprie-
taries with progressive policy require two con-
scientious representatives with good sales records
and sound connections with chemists and Co-ops,
etc., in the Lancashire/Cheshire area. Residence
in Manchester or Liverpool districts necessary. Car
provided. Expenses, salary and bonus scheme.
Apply in confidence, giving details of career to
date (incl. present employer), area covered, age,
salary expected, etc., to Box A/283.

MANUFACTURERS of established toilet line and
other products require representative for Manches-
ter and district. Well-established connection with
retail chemists and allied trades absolutely essen-
tial. Must possess own car. Send details in con-
fidence to Box A/285.

OLD-ESTABLISHED proprietary toilet and soap
house requires experienced representatives with a
connection with chemist, drug stores, Co-operative
Societies and wholesalers in the following areas:—
(1) Glasgow, Lanarkshire and S.W. Scotland;
(2) Edinburgh, Stirling, Fife and S.E. Scotland.
Apply, giving full details of experience and age, to
Box A/300.

Situations Open—Continued

MEDICAL REPRESENTATIVE for propaganda and sales to doctors, retail/manufacturing chemists, hospitals, required by manufacturers of ethical products for Derby, Nottingham, Leicester, Stafford and Shropshire. Car an advantage, must reside in territory. Full particulars of age, experience, salary required to Box A/279.

OLD-ESTABLISHED manufacturing chemists require representative in South London area, preferably with car. Salary, commission and expenses. Please state age and experience and enclose copies of references. Box 6/540.

OLD-ESTABLISHED company with exceptional history and goodwill over the past 130 years will be appointing representatives of first-class ability and experience only to cover chemists and perfumery departments of departmental stores throughout the United Kingdom. It is the intention to appoint salaried men with expenses and commissions but applications would be considered from really good men operating for one other house only. Send very full details of past experience, area worked and connection claimed, in writing, to Box 6/539. All applications will be acknowledged.

PHARMACIST with analytical experience required by a London house to take charge of analytical laboratory. Write, stating age, experience and salary required. Box A/278.

PHARMACIST, to take charge of penicillin and sterile products unit. Preferably young, with some manufacturing experience. N.W. area. Full details to Box A/223.

PHARMACEUTICAL HOUSE invite applications from representatives (qualified preferred, but not essential) to cover two existing areas vacated on account of illness. (a) Hampshire, Surrey and Sussex; (b) Middlesex, Berks, Bucks, Oxford, etc. Salary, commission and expenses. Must possess a car and live in area. Apply in confidence, giving full particulars of age, experience, etc., to Box A/292.

EUCRYL LIMITED require experienced traveller to contact Chemists in Bedfordshire, Buckinghamshire, Cambridgeshire, Essex, Hertfordshire, Lincolnshire, Norfolk, Northamptonshire, Oxfordshire and Suffolk. Please apply Sales Manager, EUCRYL LIMITED, SOUTHAMPTON.

REPRESENTATIVE required for Northamptonshire, Huntingdonshire, Bedfordshire, Oxfordshire, Berkshire, Buckinghamshire and Hertfordshire by well-known manufacturers of proprietary toilet articles. Must have live connection with wholesale and retail chemists, co-ops, stores and hairdressers. Remuneration on substantial commission basis. Apply, giving age and experience to Box 6/538.

REPRESENTATIVE for the South of England required by reputable London wholesalers of fancy goods, chemists' sundries, haberdashery. Own car advantage. Apply, stating experience. Box 6/513.

REPRESENTATIVE required by manufacturers of nationally advertised cosmetics to call on chemists, stores, hairdressers, co-ops, etc., on expenses-and-commission basis. Good connection and car essential. Write giving full particulars, age, experience, etc., and state area covered or desired. Box A/249.

REPRESENTATIVES already calling on chemists, stores, hairdressers, required to sell as additional line Eclipse razor blades on commission basis in (1) Midlands, (2) South Coast, (3) East Coast. Apply Eclipse Razor Blades, Ltd., Harrow St., Sheffield.

REPRESENTATIVES required with connection chemists' sundries, surgical goods, North Wales, South Wales, Glasgow, Dundee, Edinburgh. Apply C.S.C., 94 Aldersgate St., London, E.C.1.

REPRESENTATIVES required by established maceuticals and cosmetic distributors for London, Birmingham, East Scotland, South V also junior representative for Middlesex area. ary commission and expenses. Experience necessary. Write, stating age, and short res to Box A/289.

REPRESENTATIVES, already calling on chem stores—hairdressers, required to sell genuine ported French perfume. Generous commissio right type—and prospects. Box 6/491.

REPRESENTATIVES required for the follo areas: London, South Coast, South Wales Midlands. Nationally advertised patent med Only those with good connection wholesale retail chemists, grocers, etc., need apply. V giving full particulars, Box A.C. 42868, Sa Clarks, 57-61 Mortimer St., London, W.1.

REPRESENTATIVES required (car owners pref by manufacturing chemists for 1, Yorkshir Wales. Personal connection desirable with chemists and hospitals, and some drug exper an advantage. The position is progressive an remunerative. Salary, commission, car allowance expenses. Box 6/520.

REPRESENTATIVES required on a commissio to handle chemist sundries and toilet requisit (1) Eastern Counties; (2) north and south e Thames; (3) Scotland; (4) Kent, Surrey and sex; and (5) three northern Counties. Only that have live connections amongst wholesale retail chemists, hairdressers, etc., and car ov should apply in the first instance, stating the territory covered, and lines already handled. 6/514.

REPRESENTATIVES required to carry estab lines, serviettes, etc. Write with fullest part to Box No. 902, Sells, Ltd., Brettenham F Strand, W.C.2.

REPRESENTATIVES REQUIRED, all territorie sell competitive range of perfumery and toile parations. Must be able to prove conne sales ability and integrity. Car owner esse Salary and good commission. No objectio other lines carried. Write, full details, Deb Ltd., Sutherland Rd., Walthamstow, E.17.

REPRESENTATIVE REQUIRED by well-known i facturing chemists to sell nationally advertised and medicinal lines to chemist, Co-operative ties and stores in Somerset, Devon and Corn Applicants should reside on the territory. S annuance scheme in operation. Car prov Details of experience, age and salary requir Box A/301.

REPRESENTATIVE WANTED. Manufacturing wholesale chemists (old established) require i sentative for Lancashire and Cheshire, espe Manchester, Salford, Stockport, for the sa drugs, galenicals, proprietary articles, etc. chemists, doctors and hospitals. Existing cli will be handed over; car available. Nec qualifications: Salesmanship, good knowled drugs, excellent connections among retail che fidelity bond. Remuneration: Salary, comm and expenses. Please reply in confidence to 6/494.

REPRESENTATIVES WANTED, calling on che stores and Co-ops., to carry packed sundrie 10 per cent. commission basis. All areas avai Box 6/534.

SENIOR MEDICAL/TRADE representative for don to act also in general supervisory capa Must have considerable experience with et and established connection. Remuneration b rangement. Also fully experienced medical/ representatives required for (1) Yorks area (2) Lancs area. Salary, expenses and overall mission. Write full details to Allied Laborat 140 Park Lane, W.1.

Situations Open—Continued

MAN required to cover Sussex, Hants, Dorset Devon for the sale of well-introduced shavers, soap, etc., on salary; car allowance commission basis. Applications to Staff Man-Box 6/341.

ORD ALLEN & SONS, LTD., have vacancy experienced representative to call on wholesale manufacturing houses in London or Midlands, 0-40. Should have experience of wholesale trade. Write, stating full particulars, to Ref. 20 Wharf Rd., London, N.1.

AL VACANCIES for physicists and chemists research department of large company manufacturing metal and paper containers. All engagements include initial training period of up to 15 months in preparation for basic work on decoration and protection of metal containers, physical and mechanical problems connected with their nature and for technical liaison with commercial factories and customers. Applications from all grades of scientific workers whether experienced or not. Calibre is more important than academic qualification. Laboratories situated West London. Applications in writing to Staff Division, Box Co., Ltd., The Langham, Portland W.1, giving Ref. RS. 6.

P. & DOHME, LTD., announce that the reorganisation of sales territories has created a number of vacancies on their medical representative. Applications are invited from men having a pharmaceutical or medical background for the following areas: (1) Lancashire (East); (2) Yorkshire (South); (3) Derbys and Staffs; (4) Northants, Oxford, Bucks and Berks; (5) Gloucestershire and Hants; (6) Cambs, Norfolk and Kent. This work is interesting and remunerative. Applicants should be resident on the desired area. Brief personal particulars, together with a list of references for interview should be sent to Home Manager, Sharp & Dohme, Ltd., Hoddesdon, Essex.

FIRM of wholesale and manufacturing chemists will shortly have a vacancy for a representative to take over and expand an established business among chemists in Manchester and the surrounding areas. Applicants must have a good knowledge of pharmaceuticals and patents, possess salesmanship, initiative and energy. Excellent prospects for a capable of making friends readily. Salary, commission and expenses. Box 6/330.

CROOKES LABORATORIES require a suitably qualified man to take control of medical department. Experience in the compilation of medical literature and advertisements is essential and the successful candidate would also control clinical and pharmaceutical trials of new products. The appointment permanent, superannuated and progressive. Full of past experience, age, etc., should be supplied in initial application addressed to the General Manager, The Crookes Laboratories, Ltd., Gorse Park Royal, N.W.10.

CARE OPPORTUNITIES for three men, age 30-40, to join the team of Menley & James' representatives in September. The job involves the discussion of our ethical medical speciality doctors and pharmacists and requires a "selling ideas." Successful candidates will receive a course of training in London, but a knowledge of pharmaceutical or medical knowledge would be an advantage. This is a well-paid interesting job; remuneration is by salary on a sliding scale, with expenses—no commission. Areas available: Kent, Sussex and South-east London; East Anglia and North-east London; West Yorkshire. If you'd like to join us send particulars stating territory preferred to Menley & James, Ltd., 123 Coldharbour Lane, London, E.C.1.

TOILET ROLLS MANUFACTURERS require live representatives with good connections to the wholesale and retail trade for competitive lines. State area. Write Box X, 129, Willing's, 362, Grays Inn Rd., London, W.C.1.

TRAVELLERS AND AGENTS required, all areas, by reputable manufacturing chemists with very readily saleable products. Men with experience preferred, but not essential, calling on wholesale and retail chemists and stores. Apply with full details to Herbert Crosby & Co., Ltd., 26/7 Castlereagh St., W.1.

YOUNG GRADUATE, male, to engage in research for old-established cosmetic and pharmaceutical firm 35 miles from London. Organic chemist with some knowledge cosmetics preferred. Commencing salary, £450-£550, according to qualifications. Interesting work and excellent prospects for keen and energetic young man. Box A/295.

YOUNG PHARMACIST, preferably man, required in ampouling department of well-known London manufacturing chemists. Wholesale/manufacturing experience useful but not essential. Starting salary moderate but good prospects for adaptable and energetic person. Write fullest details to Box A/2960.

WANTED by old-established cosmetic manufacturers representatives already carrying non-competitive line, to work on a commission basis. Districts available: South Coast, London area, Kent, Essex, Suffolk, Norfolk, Lancashire. Write Box 4328, C. Vernon & Sons, Ltd., 17-19 Stratford Place, W.1.

WHOLESALE (OVERSEAS)

A FIRM of international repute marketing proprietary products have a vacancy for a technical factory manager. Must have B.Pharm. or degree in chemistry, plus three years' experience of manufacturing pharmaceuticals. Immediate vacancy in India. Initially for three years, to be reviewed at the end of that period with view to extension or alternative employment in United Kingdom or elsewhere. Full details as regards this post, salary, leave, etc., will be made available at interview. Write, giving fullest details of age, qualifications, experience, and salary required, to Box A/291.

PHARMACIST urgently required for service with large industrial concern operating in the Middle East. Large hospitals and staff of British M.O's and sisters. Considerable dispensing for hospital and out patients clinic. Applicants must hold M.F.S. and be not over 35. Attractive salary plus generous allowance in local currency. Free passage out and home, medical attention, kit allowance, pension scheme, good leave arrangements. Write, giving age and full details of qualifications and experience, quoting Dept. F.94, to Box 2201, at 191 Gresham House, E.C.2.

RELIABLE REPRESENTATIVES in Japan required by manufacturers of fine chemicals. Please write to Box A/290.

SITUATIONS WANTED

18 words 3/- (minimum) then 1d. per word. Box 1/-

RETAIL (HOME)

QUALIFIED LADY, elderly, seeks situation, preferably part-time with light duties. Box 6/526.

UNQUALIFIED MALE ASSISTANT, age 32, married, requires situation in retail pharmacy in London district. Box 6/516.

LOCUMS SEEKING ENGAGEMENTS

HALL, Bristol, near. Elderly, temporary or locum. Box 6/509.

Situations Wanted—Continued**WHOLESALE**

PHARMACIST, University graduate with good experience in ethical sales and administration, desires appointment with reputable London firm. Excellent organising ability and good personality. Directorship with capital investment considered.

Box No. 127 CHARLES SELL
5/6 Red Lion Square, W.C.1

ADVERTISER having first-class experience purchasing and departmental management manufacturing chemists requires charge. Excellent references. Please write Box 6/470.

KENT, Surrey, Sussex, Hants, experienced representative offers excellent connection wholesale and retail chemists, departmental stores. Salary, commission, expenses. Box 6/484.

REPRESENTATIVE (33) resident East Lancashire desires change. Sound knowledge drugs, sundries, patents. Car driver. Salary, commission, expenses. Box 6/498.

REPRESENTATIVE with many years' experience and splendid connection with wholesale and retail chemists and department stores throughout South Wales and the adjacent counties, desires change. Salaried appointment with first-class proprietary house preferred. Car owner. Box 6/532.

WELL-KNOWN REPRESENTATIVE, exceptional connection chemists, stores, wholesalers, South London, Kent, Surrey, Sussex, requires commission lines from September 1. Quality first consideration. Box 6/496.

YOUNG MAN, 24, keen, well educated, seeks post as representative in London, Home Counties area. Available short notice. Box 6/515.

AGENCIES

36 words 17/6 (minimum) then 4d. per word. Box 2/-

AGENTS with first-class connections with chemists, required to handle a popular six and eight exposure roll film. Attractive discounts and commission. The Panda Film Co. (Wholesale), Ltd., 12 Laings Corner, Mitcham, Surrey.

AGENTS wanted with sound connection for domestic and agricultural insecticides of outstanding merit. Old-established firm. Commission basis at first, but other arrangements considered after a few months' trial. BM/BROM., London, W.C.1.

AGENT WANTED with live connection for the sale of large stocks of ex-Government Pharmaceuticals and Drugs by leading British and U.S.A. manufacturers. The prices are attractive and very substantial commissions can be earned. Commission only or salary and commission to suit applicants. Free-lance or agents having good connections and wishing to carry our goods as side lines welcomed. Box 6/543.

SOLE REPRESENTATION from British firms invited for Western Pakistan, of fast-selling lines, by expert pharmaceutical representatives having 20 years' medical line experience. Best business references, will work as indenting agents. Alpha Distributors, Postbox, 1002, Karachi, 2.

AGENCIES WANTED

36 words 8/6 (minimum) then 3d. per word.

EXPERIENCED free-lance representative, car with good connection departmental stores, co-operative societies and chemists in Yorkshire and four northern counties will handle fourth competing line, guaranteeing sales increase area. Box 6/503.

BUSINESS OPPORTUNITIES

36 words 17/6 (minimum) then 4d. per word.

ADVERTISER seeks co-operation, with new designed granulating machine. Can be used for porcelain manufacturing, chemist and foodstuffs, etc. Will granulate any degree of material; also granulate varied sizes of granules in one operation. Box 6/510.

ADVERTISERS wish to contact firm of manufacturing chemists with capacity to manufacture proprietary lines (tablets, pills and ampoules) formula and ingredients (partly) supplied address Box 6/519.

CAPACITY available for the manufacture of packing of pharmaceutical or toilet products for home or export market by manufacturing with modern equipment. All enquiries to strict confidence. J. J. & J. Jenkins & As Ltd., 78 Bollo Bridge Road, London, W.3. 4386).

D. A. CORCORAN & CO., LTD., wholesalers, are extending their sundries department would welcome catalogues, samples and quotations to 18 Fitzwilliam Lane, Dublin.

MANAGING DIRECTOR, old-established, successful business, packed drugs, foods, cosmetics business requires personal assistant. Pharmaceutical and/or accountancy experience helpful. Must be hard working initiative. Post may lead to acquiring shares and directorship after reasonable period. Write, in confidence, Managing Director, Fine, Ltd., (Alex. Parsons), Gem Mills, Clonmel, Oldham.

OPPORTUNITY OCCURS for young, energetic person preferably with selling and organising ability to be prepared to invest small amount in private business situated in London. Investigation required. Write in first instance to Box 6/515.

PAKISTAN MEDICAL DIRECTORY (1949-50) best opportunity for publicity of British firms in Pakistan. Book space up to September 1. page (4½ in. x 7½ in.) £6 10s. Half-price prepaid. Orders to: Postbox, 1002, Karachi.

SMALL MANUFACTURING chemist in London with good space for development, offers opportunity to manufacturer to have goods packed in Scotland and North of Ireland delivery. A makes this offer to maintain good premises cannot be fully occupied for own requirement year or two. Premises central, adjacent to docks and docks. Reliable and efficient service provided. Box 6/475.

WANTED

36 words 8/6 (minimum) then 3d. per word.

MANUFACTURER desires supplies of glycerine, augment allocation. Offers to Box A/2.

MEDICAL BOTTLES WANTED, 100 gross 1/2 size. Prices and quality must be right, regular orders. Quote prices, stating how 4 oz., 6 oz., 8 oz., 10 oz., 12 oz., 16 oz., 1 plain, graduated, cork mouth. Box A/294.

WANTED, large bottle or cylindrical-shaped carboys as formerly and still sometimes used by chemists for window display. Please write to D. W. Son, 95 Esmond Rd., Crumpsall, Manchester.

D. A nest of mahogany drug drawers with glazed-gilt labels. Any length up to 12 in. Please send particulars and price to Caldmore, Walsall.

AND 4 OZ. POTS with lids, wanted at once. 1 doz. 4 oz. and also for 2 oz. samples and prices to Shavex, 40 Bavaria Rd., London, N.19.

FOR SALE

8/6 (minimum) then 3d. per word. Box 2/-
LE. 195 gross flat bottomed glass tubes 16 m.m. with corks to fit at 3/- per gross. Box A.433 Erwoods Ltd., 211, Piccadilly, W.1.

No. 2 motorised lipstick mill. The is totally enclosed and arranged for direct 1/2-h.p. motor. 400 volts 3 phase 50 C. Condition as new. Charles Midgley, 15 City Rd., Manchester, 15.

ONS bisol amyl acetate (704), 10/- per 100 lb. drums shell white petroleum jelly, drum. 20 gross cardboard boxes and lids, 3, 18/- per gross. Box 6/531.

MISCELLANEOUS SALES

17/6 (minimum) then 4d. per word. Box 2/-

SURPLUS STOCK

ts. Zinc Oxide B.P. £50 per ton
Gum Tragacanth, finest quality material. 5/- per lb.

TD., 246 Bethnal Green Road, London E.2
Bishopsgate 9434

150 lb. sifter-mixer with elevator and motor. "Albro" vacuum powder filler. Pin-Disc mill. S/steel trolley tanks. S/steel storage tanks, 12 gallons. "dust" extraction plant, etc. Excellent. Seen London. Particulars, Box 6/512.

brand new and clean, with bakelite caps. 3/-oz., 200 gross 1-oz. cylinder, 200 gross perfume bottles, 850 gross 1/2-oz. pomade, 150 gross 1-oz., and 150 gross 2-oz. white opal Col 2218, or write E. Nesfield, Ltd., Hough Hall, Manchester, 10.

REGISTER bargains with two years' mechanician. Also cash tills, Rolls ribbons. 52 Grays Inn Rd., London, W.C.1. (2724.)

DOWN. Entire stock of small country in the Midlands, comprising of patents, and a few drugs. (All 25% less wholesale also two small cases and glass shelves. A B clear. Box 6/512.

POSAL cheaply, approximately 1,000 gross spials, any quantity supplied. Astral, Manor Works, Crawshaw Hill, Pudsey, W.8.

PERFUME BOTTLES. Chanel type with glass stoppers and elegant upright fancy fit. Suitable for high-class perfumers pack-perfumes. Sizes 1/2-oz., 1-oz., and 2-oz. Perfumers' surplus to clear below cost. Par-box 6/466.

OWING, medical, scientific, and repetition Drysdale & Co., Ltd., 58 Commerce Rd., Epsom, London, N.22. Phone: Bowes Park

HNSTON FILLING MACHINE, electric complete as new; also one non-electric. A. Gardner mixer and brush sifter, complete 1.5 h.p. motor, etc. 2 wooden benches, 10 ft. x 3 ft. Box 6/529.

MITCHELL MIXER, Type DD, 1/2 h.p., with 33 in. shaft, stainless steel propeller. New, unused, cost £21. Accept £17. "Avery" 5 cwt. portable platform scales, £10. "Berkel" 2 lb. auto scale, £6. "Jacksons" collapsible tube-filling machine with jar-filling attachment. Brand new, cost £18. Accept £14. Porcelain end runner mill, mortar type, inside measurement 10 in. x 4 in. deep, £7. "Adelphi" bottle washer with two nozzles for sprinkler neck or wide neck bottles. New, unused, cost £5 5s. Price £3. Bryen Products, Ltd., Nettlefold Place, London, S.E.27. Gipsy Hill 2763.

PLANT from potato starch factory, including 30 ft. by 4 ft. dia. rotary dryer; 4 large capacity refining centrifuges; potato washing machine and destoner including automatic weigher and controlled hopper feeder; 5 large belt driven plunger pumps; 12 large belt driven centrifugal cylinder sieves; 2 pulp mills; 2 rasping machines. Box 6/476.

REDUCED PRICE to clear surplus, Panak films, in attractive cartons, 6 ex. 20 and 62 only. 18s. 6d. per doz., plus postage. Gross lots, 18s. doz., post free. Guaranteed perfect. Cont. retail price 2s. 8d. Box 6/503.

SACCHARIN TABLETS at competitive prices. Highest quality standard 0.2 gr. .550 (Sucro Brand). Please write for quotations, and state approximate requirements. The Sucro-Saccharin Co., 101 Junction Rd., London, N.19.

SACCHARIN TABLETS 550, 0.2 gr. in packets of 100 tablets, boxed in 1 gross lots. 1 to 5 gross at 56/- per gross, 6 to 10 gross at 55/- per gross. Postage paid, c.w.o. only. Quotations for larger quantities by return. Tell Products, Ltd., 22-24 Rosemont Rd., London, N.W.3.

1 PASCALL TURBINE SIFTER (large size), brand new, never been erected. Complete with motor and starter. Also 2 Pascall Perflo pin mill grinders and 1 Pascall triple roller mill (motorised). Telephone Col 2218 (Manchester) or write E. Nesfield, Ltd., Hough Hall, Manchester, 10.

2 GRAFIL BOTTLE FILLING machines, with twin leads and compressor. 1 Roberts triple head and 1 Roberts twin head vacuum bottle fillers, all in perfect condition. Further details apply. E. Nesfield, Ltd., Hough Hall, Manchester, 10, or phone Col 2218.

3 STOTT cast iron water jacketed pans with double gas rings, complete, 45, 35 and 25 gallon capacity, with tinned steel mixer pans and lids. Telephone Col 2218 (Manchester) or write E. Nesfield, Ltd., Hough Hall, Manchester, 10.

4 TONS KAOLIN, £10 per ton, or 15/- per 140 lb. bag. Camphorated chalk, B.P.C., 14/- per 14 lb. tin. Box 6/535.

PARTNERSHIPS

36 words 8/6 (minimum) then 3d. per word. Box 2/-
SUFFOLK. Small soap manufacturing company require chemist or similar with experience in manufacture of soaps, etc. Partnership offered. Small capital investment. Box 6/506.

CLERICAL

MALE CLERK required for the credit control section of a firm of manufacturing chemists in the West London area. Knowledge of this work an advantage but a young man with knowledge of accounts would be suitable. Write, giving full details of age, experience, and salary required, to Box A/282.

MALE CLERICAL ASSISTANT for pharmaceutical department. Experience of medical stores book-keeping or retail pharmacy desirable. Age 21-28 years. Commencing salary on scale (£240-£365) according to age and experience. Apply, Chief Clerk, St. George's Hospital, S.W.1.

Announcing a New Book on
**PHARMACEUTICAL
 EMULSIONS**
AND EMULSIFYING AGENTS

by L. M. SPALTON, B.Pharm., M.P.S.

In recent years there has been a bewildering increase in the number of emulsifying agents available for use in pharmacy. In this book they are classified with practical hints about their pharmaceutical use. Names of manufacturers of proprietary products are given—an index that alone makes this book indispensable to-day.

Price **5/6** Post Free

Order accompanied by remittance should be sent to

The Publisher

THE CHEMIST & DRUGGIST
 28 ESSEX STREET, STRAND, LONDON, W.C.2

SALE BY AUCTION

2/6 per line (12 lines = 1"). Box 2/-

G.R.

By Order of the Minister of Supply.

Without Reserve.
 M.O.S. DEPOT, NO. 55, WESTON-

SUPER-MARE, and
 RETURNED STORES DEPOT,
 HIGHBRIDGE, SOMERSET.

PERCY PALMER, F.A.I.,

are instructed to Sell by Auction, in Lots, at
 No. 55 Depot, Junction Road, Weston-
 Super-Mare, on

Wednesday, Thursday and Friday, August 10,
 11 and 12, 1949, at 11 a.m. each day, the

**GOVERNMENT SURPLUS PLANT,
 EQUIPMENT AND STORES,**

including:—

Electric motors ($\frac{1}{2}$ h.p.-20 h.p.), generators, rectifiers, starters, transformers, electrical cable, fans, electric light lamps, glass insulators, cable-laying apparatus, used car batteries, fuel storage tanks, boilers, filtration plant, diesel engines, truck-tractors, roller conveyor, air compressors, Jones and Coles cranes, 2½-ton road roller, excavator, "Muirhill" and "Aveling" dumpers, portable stone crusher and grader, concrete mixers, hydraulic pump, jig trolleys, generating set, chain blocks, "King" electric hoists, snatch and tackle blocks, wire ropes, jacks, grindstones, paints, varnishes and dope, steel wool, cork sheets, lithographic ink, labelling machines, emery cloth and glass paper, carbons, Perspex, putty, chemicals, welding rods, scrap rubber. A large quantity of field medical instruments and

equipment, sterilisers, operating tables, lamps, x-ray tents, oxygen apparatus, radio heat baths and lamps, bandage cutting machines, dental drilling machines, cautery transformers, first-aid dressings, bandages, syring medicines, foot powder, surgical instruments and apparatus, blood transfusion set, operating testing sets, boilers and drying ovens. A large assortment of Service clothing equipment including: Greatcoats, tunics, blouses, skirts, trousers, overalls, underclothing, caps, boots and shoes, rubber boots, blankets, blanket bags, 15,000 ground sheeting, webbing and leather equipment, canvas covers and tarpaulins, Service cooking equipment utensils, safari jars, insulated food containers, bacon and bread slicing machines, cutters, shovels, hoes, forks, dock lifters, buckets,

View Days: Friday, August 5, and Monday and Tuesday, August 8 and 9, 1949, 9 a.m. to 4 p.m., and on Sale Days from 9 a.m. to 10.45 a.m.

Admission by Catalogue Only.

Catalogues covering complete sale, price (Postal Orders only), admitting two persons on View Days and one person only on Sale Days, may be obtained from the offices of the auctioneers, 3 Magdala Buildings, Weston-super-Mare (Telephone 2451-2).

NOTICE

THE GLASGOW METHYLATING CO., LTD.
 Glasgow and London announce that Mr. Young has been appointed managing director of the company and that his office will be at the company's London Depot, Burwell Rd., E.10, which is now in full operation.

PROLONGED HIGH PENICILLIN LEVELS



'Avloprocil' provides a most reliable and convenient means of administering penicillin. A single injection produces a therapeutic blood level of penicillin for periods of 24 hours, so that one daily dose is adequate for effective treatment.

'Avloprocil' contains the Procaine salt of Crystalline Penicillin in sterile oily suspension (300,000 units per c.c.).

Issued in 10 c.c. vials. Single vials and boxes of 5.

'Avloprocil'

TRADE MARK

IMPERIAL CHEMICAL [PHARMACEUTICALS] LIMITED
(A subsidiary company of Imperial Chemical Industries Ltd.)

MANCHESTER



Ph.329

The
CHEMIST AND DRUGGIST
JULY 23, 1949

*The ethical medical preparation
for the treatment of Asthma*



P.A.T.A.

*Prescribed and recommended
by the Medical Profession in
Hospitals, Private Practice
and Government Departments
throughout the world—*

BRITISH FELSOL COMPANY LTD

WIGTON HOUSE, 206-212 ST JOHN STREET, CLERKENWELL, LONDON, E.C.1.

Telephone. CLerkenwell 5862

Cables. 'Felsol', Smith, London.

